INDEX OF SHEETS

[redacted]

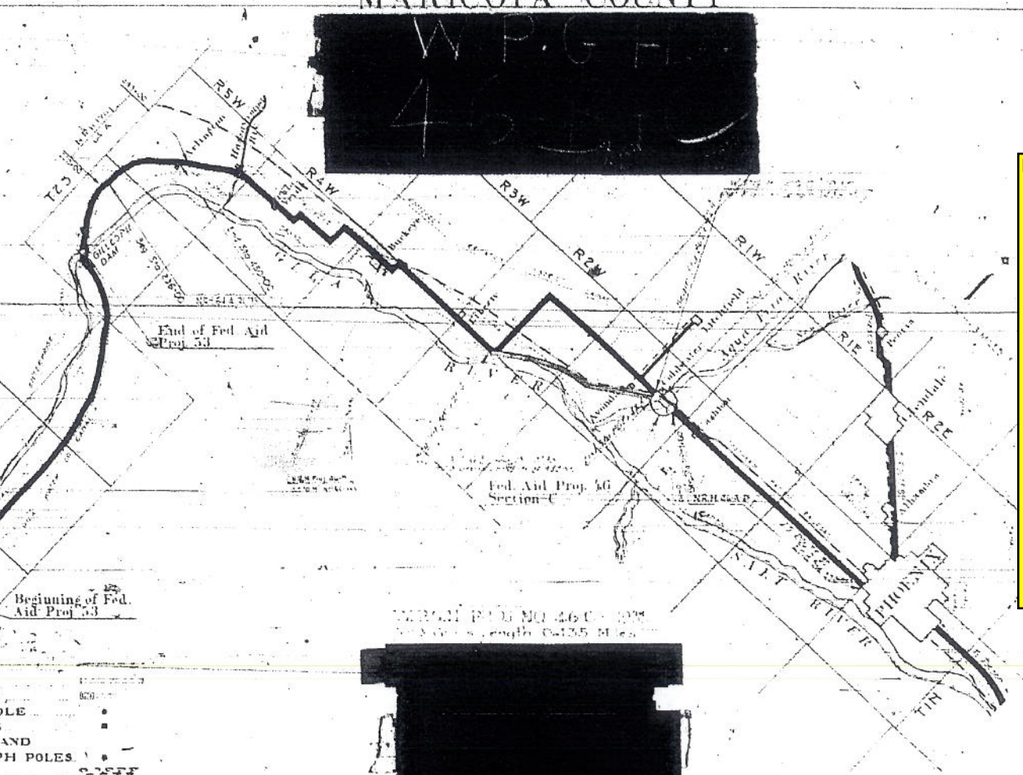
STATE OF ARIZONA
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY
PHOENIX-YUMA
U. S. ROUTE 80
MARICOPA COUNTY

1946

[redacted]



[redacted]

MCDOT DIN # 50762-1

CONVENTIONAL SIGNS

STATE AND NATIONAL LINE	LEVEE
COUNTY LINE	CULVERT
CITY, VILLAGE OR BOROUGH	DROP INLET
TOWNSHIP LINE	TROLLEY POLE
SECTION LINE	POWER POLE
GRANT LINE	TELEPHONE AND TELEGRAPH POLES
FENCE LINE	MARSH
GUARD RAIL	HEDGE
UNFENCED PROPERTY	
RIGHT OF WAY LINE	
TRAVELED WAY	GRADE ELEVATION
RAILROAD	
RETAINING WALL	GROUND ELEVATION
BASE OR SURVEY LINE	

[redacted]

ARIZONA STATE HIGHWAY COMMISSION

Approved
T. S. O'CONNELL
STATE ENGINEER

Recommended for Approval
[redacted]
OFFICE ENGINEER

By
Deputy State Engr.

Recommended for Approval
[redacted]
DISTRICT ENGINEER

Recommended for Approval
DISTRICT ENGINEER
U.S. Bureau of Public Roads

Checked
[redacted]
BRIDGE ENGINEER

Recommended for Approval
CHIEF ENGINEER
U.S. Bureau of Public Roads

Checked
[redacted]
ENGINEER OF PLANS

Approved
DIRECTOR
U.S. Bureau of Public Roads

ROADWAY SECTIONS

CORRUGATED METAL PIPE CULVERTS

OIL CAKE TO BE REMOVED

RIGHT OF WAY MARKERS

ROAD GUARD REMOVED

LINE FENCE

ROAD GUARD

STANDARD AND STRUCTURE SHEETS

LENGTH OF PROJECT

PLANNING FOR ROADSIDE IMPROVEMENT

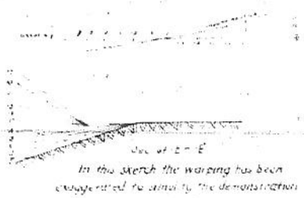
ECONOMIC PURPOSE:
Aims to fit the details of highway construction in closer relationship with the surrounding countryside

PRACTICAL RESULTS.
Provides fullest public service at reasonable cost
Spreads employment over all seasons of the year
Distributes the benefits of diversified employment among all communities.
Eliminates a large number of traffic hazards
Reduces wasteful erosion and maintenance
Conserves and enhances highway values
Protects the efficiency of the investment
Produces a natural harmony of environment
for a more complete and fully efficient highway.

GENERAL POLICIES
Proper location and design of a highway is the physical foundation for a constructive improvement. Economic conservation of existing natural scenic resources is the key to a complete highway development.
Protective border control is vital to insure an orderly and clean roadside appearance. Introduction of appropriate planting is the final phase of a logically developed comprehensive roadside improvement program.
A definite plan and policy should be adopted and continuously followed to produce the greatest service at the lowest cost.

SLOPE TRANSITION.

Where there is a transition from a cut to a fill section, it is more pleasing if the slope of one can flow smoothly into that of the other rather than undergoing a sharp, distinct break. A smooth transition may be obtained by flattening and warping slopes over a distance of about 35 each side of the point of zero cut, zero fill.



In this sketch the warping has been exaggerated to simplify the demonstration

Horizontal distances along ℄, indicated by ⊢ and letters, would vary a good deal with the character of the country.
In a rolling country with flat slopes, a much larger transition would be possible (say up to 200') than in a rocky section where physical conditions would make sharper warping both necessary and natural.

No seeding is almost impossible on a steep slope, and erosion is much greater than on one that is gentle.

Old borrow pits may be greatly improved by blading off the sharp shoulder and finishing with a brush drag.

Don't leave boulders in a scraggly line by the side of the road. Where construction dislocates them they should be either hauled away or buried.

CUT SLOPES — EARTHWORK

Where 2 cut slopes of unequal size occur in the same section, the larger of the 2 shall be called the positive slope and the smaller, the negative.

Round bottom of cut ditch on and near crowns of V.C's, where drainage is light, increasing sharpness of cut away from crown as drainage increases.

Do not daylight small negative slopes, but could gently with blade, or other means, and finish with brush drag if possible, so that the ground will not have a scarred appearance and also that the roadway may have a uniform width.
Where parking areas are desired negative slopes may be daylighted, with guard rail, rock borders, or other means of demarcation set at the outer edge.

FILL SECTION

BACK SLOPES

0'-15'
Use 4:1 slope, with warped transition, as shown in -1-
15'-6'-0"
Use variable slope, with top of slope 6' out (horizontally) from ditch line.
6'-0" and over.
Use 1:1 slope.

When additional material is desired flatten slope rather than use cut widening.

SLOPE ROUNDING

Cuts 0'-1.5'
Round as shown above
Cuts 1.5'-6.0'
Carry rounding out 5' each way from top of slope (toe for fill slopes) on a parabolic curve, as in laying out a regular grading V.C.
Cuts over 6'
For each additional foot of cut over 6' add 1.5' to each of the semi-tangents of the slope-rounding curve. I.E. a 10' cut would have 7' semi-tangents.

Fill Slopes

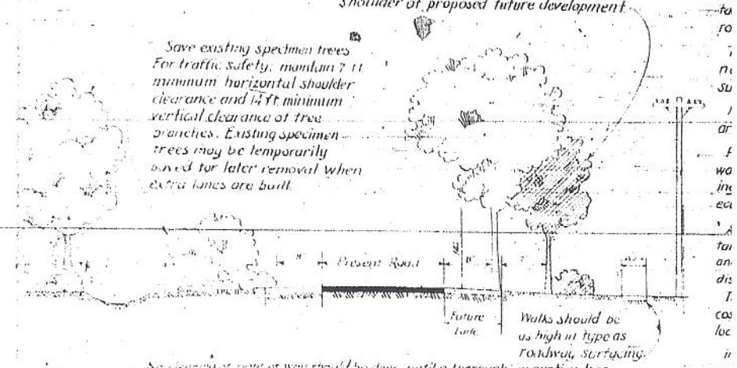
0'-2.25
Use 4:1 slope, with warped transition as shown in
2.25'-6.0'
Use a variable slope with toe 9' out (horizontally) from shoulder.
6' and over.
Use 1½:1 slope.

Fill slopes should be rounded where feasable, in the same manner as backslopes.

PLAN PRESENT CONSTRUCTION TO FIT FUTURE NEEDS.

New growth should be planted with an 7' horizontal clearance from the shoulder of proposed future development.

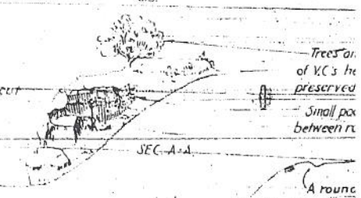
Save existing specimen trees
For traffic safety, maintain 7 ft minimum horizontal shoulder clearance and 14 ft minimum vertical clearance of tree branches. Existing specimen trees may be temporarily saved for later removal when extra lanes are built.



No clearing of right of way should be done until a thorough inspection has been made for possible preservation of existing growth. The trees and shrubs to be retained should be carefully and clearly marked.
More immediate results are effected through the preservation of existing desirable growth.
Scenic easements and planting easements may be substituted for actual purchase, in some cases, where such conservation methods may prove mutually advantageous and agreeable.

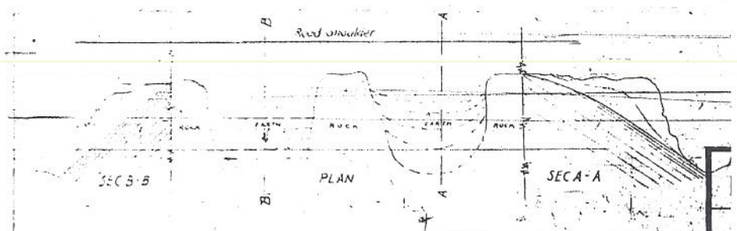
ROCK WORK

Straight rock cuts should not be rounded.
Where rock has an earth overburden treat the overburden the same as a straight earth cut.



Trees on of V.C's he preserved
Small poc between r
A round unobtrusi cutting co

UNDESIRABLE DESIRABLE

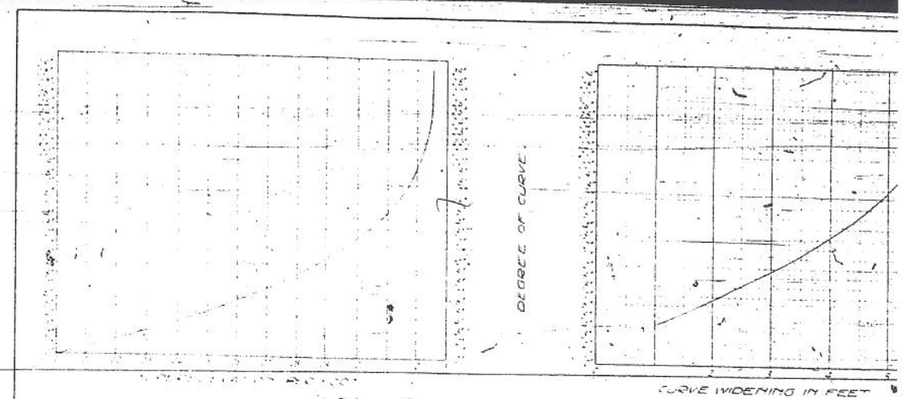


In cuts which are composed of rock + earth abutting each other it is much more desirable to let the excavation follow a smooth, rounded course, rather than to gouge into the bank. In other words follow the course of natural erosion.

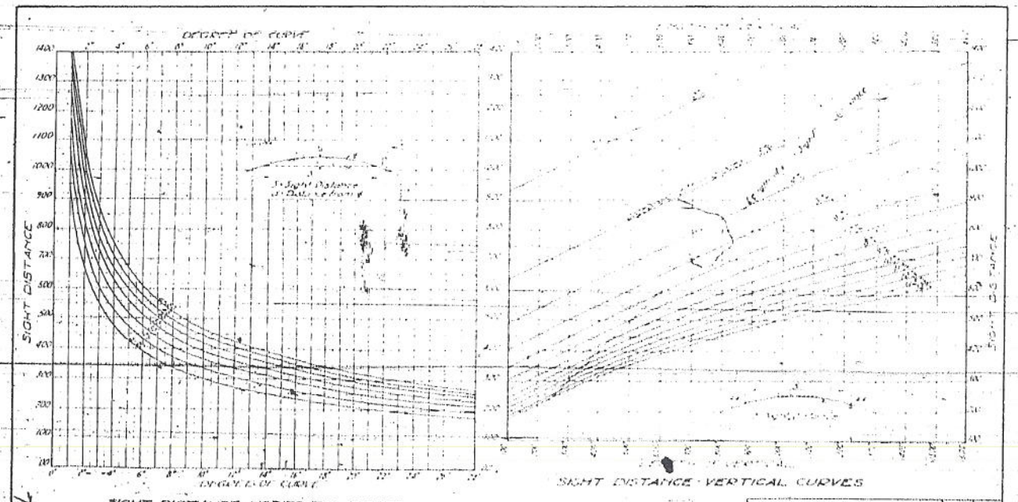
PERCENT OF CROWN @ INTERVALS OF THE HALF WIDTH

WIDTH 'W' OF ROADWAY	1	2	3	4	5	6	7	8	9	10	11	12
60	0.11	0.44	1.00	1.78	2.78	4.00	5.44	7.1	9.00			
58	0.10	0.48	1.07	1.90	2.97	4.28	5.83	7.6	9.65			
56	0.13	0.51	1.15	2.04	3.19	4.59	6.25	8.1	10.35			
54	0.14	0.55	1.23	2.19	3.43	4.94	6.72	8.78				
52	0.15	0.59	1.33	2.37	3.70	5.33	7.25	9.47				
50	0.16	0.64	1.44	2.56	4.00	5.76	7.84	10.24				
48	0.17	0.69	1.56	2.78	4.34	6.25	8.51					
46	0.19	0.76	1.70	3.02	4.72	6.80						
44	0.21	0.83	1.86	3.31	5.17	7.44	10.12	13.22				
42	0.23	0.91	2.04	3.63	5.67	8.16	11.11	14.5				
40	0.25	1.00	2.25	4.00	6.25	9.00	12.25	16				
38	0.28	1.11	2.49	4.43	6.91	9.97	13.57	17.72				
36	0.31	1.23	2.78	4.94	7.72	11.11	15.12	19.75				
34	0.35	1.38	3.11	5.54	8.65	12.46	16.96	22.15	28.03	34.62		
32	0.39	1.56	3.50	6.25	9.77	14.06	19.14	25	31.64	39.06		
30	0.44	1.75	4.00	7.11								
28	0.50	2.00	4.53	8.16	12.75	18.37	25.00	32.65	41.33	51.02		
26	0.59	2.31	5.13	9.42	14.79							
24	0.70	2.78	6.25									
22	0.85	3.3										
20	1.00	4.00	9.00									
18	1.21	4.82										
16	1.56											
14	2.04	8.16										
12	2.78											
10	4.00	16.00										

ARIZONA HIGHWAY DEPARTMENT
PLANS DIVISION
PARABOLIC CROWN TABLE
DRAWING NO. CH1

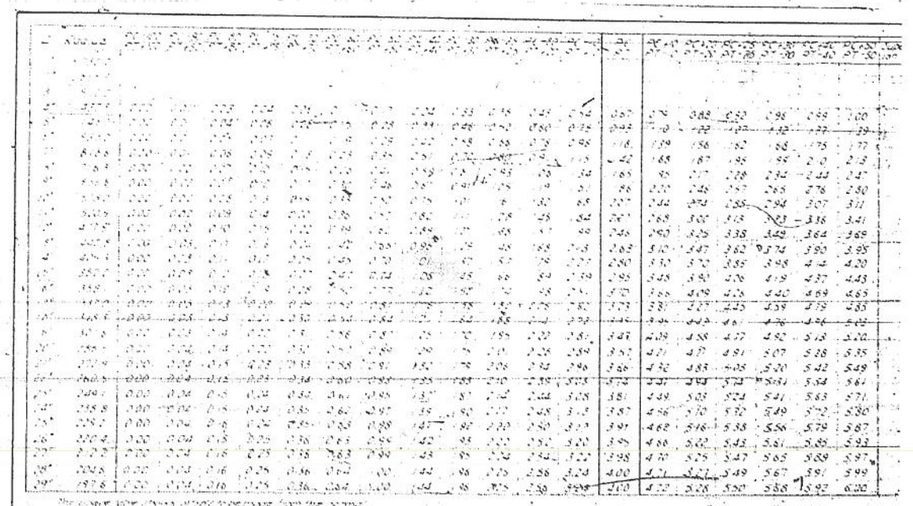


ARIZONA HIGHWAY DEPAR
PLANS DIVISION
SUPERELEVATION
WIDENING CHAR

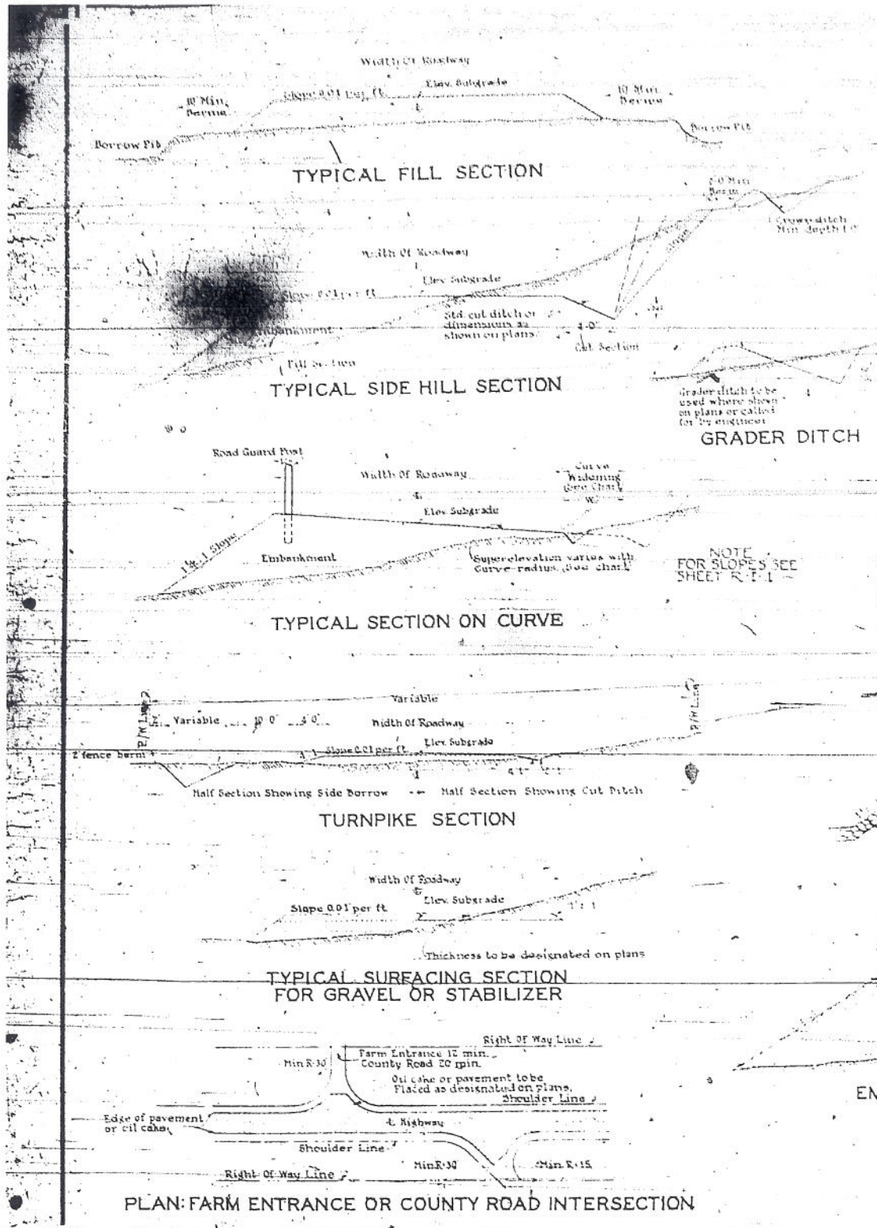


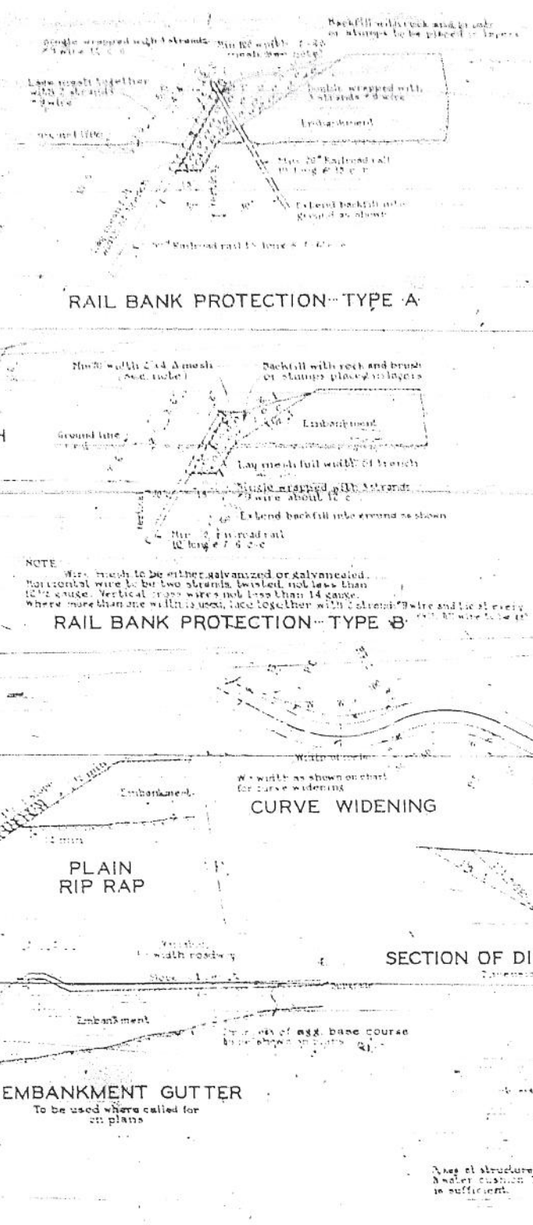
SIGHT DISTANCE-HORIZONTAL CURVES

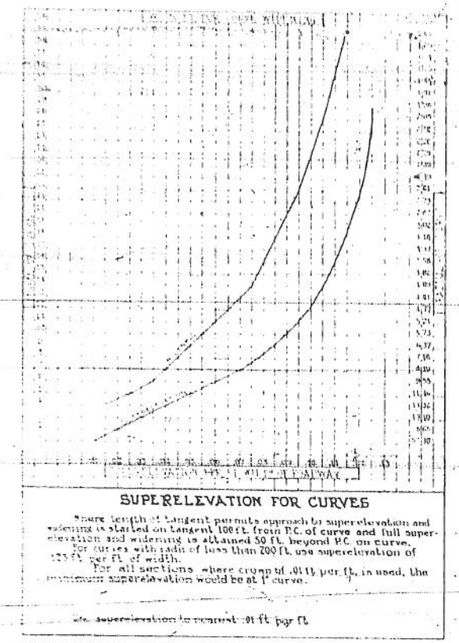
ARIZONA HIGHWAY DEPARTMENT
PLANS DIVISION
SIGHT DISTANCE CHARTS
DRAWING NO. CH2



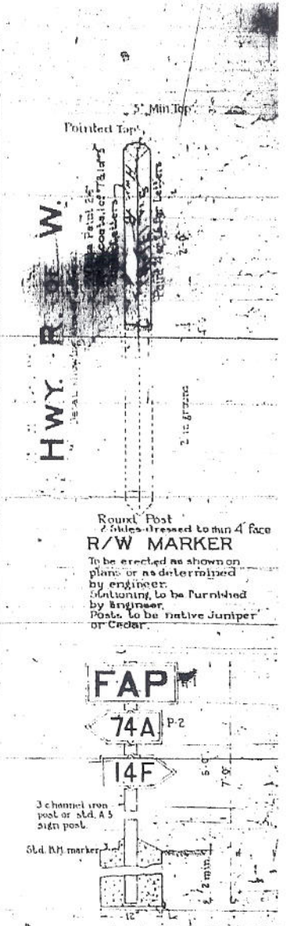
ARIZONA HIGHWAY DEPART
PLANS DIVISION
SUPERELEVATION
WIDENING TABL


Width Of Roadway
Elev. Subgrade
10 Min. Borrow
Borrow Pit
TYPICAL FILL SECTION
Std. cut ditch or dimensions as shown on plans
Cut Section
Fill Section
TYPICAL SIDE HILL SECTION
Road Guard Post
Curve Widening (See Chart)
Embankment
Superelevation varies with curve radius (See chart)
TYPICAL SECTION ON CURVE
Variable
Width Of Roadway
Fence berm
Half Section Showing Side Borrow
Half Section Showing Cut Ditch
TURNPIKE SECTION
Slope 0.01 per ft.
Thickness to be designated on plans
TYPICAL SURFACING SECTION FOR GRAVEL OR STABILIZER
Right Of Way Line
Farm Entrance 12 min.
County Road 20 min.
Oil cake or pavement to be placed as designated on plans.
Shoulder Line
Edge of pavement or oil cake
Min R-30
Min R-15
PLAN: FARM ENTRANCE OR COUNTY ROAD INTERSECTION


RAIL BANK PROTECTION - TYPE A
Backfill with rock and brush or stumps placed in layers
Embankment
Ground line
Lay mesh full width of trench
Extend backfill into ground as shown
RAIL BANK PROTECTION - TYPE B
NOTE
GRADER DITCH
Grader ditch to be used where shown on plans or called for by engineer
NOTE FOR SLOPES SEE SHEET R.T.-1
CURVE WIDENING
PLAIN RIP RAP
EMBANKMENT GUTTER
To be used where called for on plans


SUPERELEVATION FOR CURVES
WIDENING AND SUPERELEVATION CHART

DYKE
SECTION OF DITCH CHANNEL CHANGE DYKE OR LEVEE


Pointed Top
5" Min. Top
HWY. R/W
Round Post
2 Sides dressed to min 4" face
R/W MARKER
To be erected as shown on plans or as determined by engineer.
Lettering to be furnished by Engineer.
Posts to be native Juniper or Cedar.
FAP
74A P-2
14F
3 channel iron post or std. A 5 sign post.
Std. RH marker
PROJECT MARKER
To be erected at each end of all Federal Aid Projects by State

ARIZONA HIGHWAY DEPARTMENT
PLANS DIVISION
STANDARD
CONSTRUCTION DETAIL

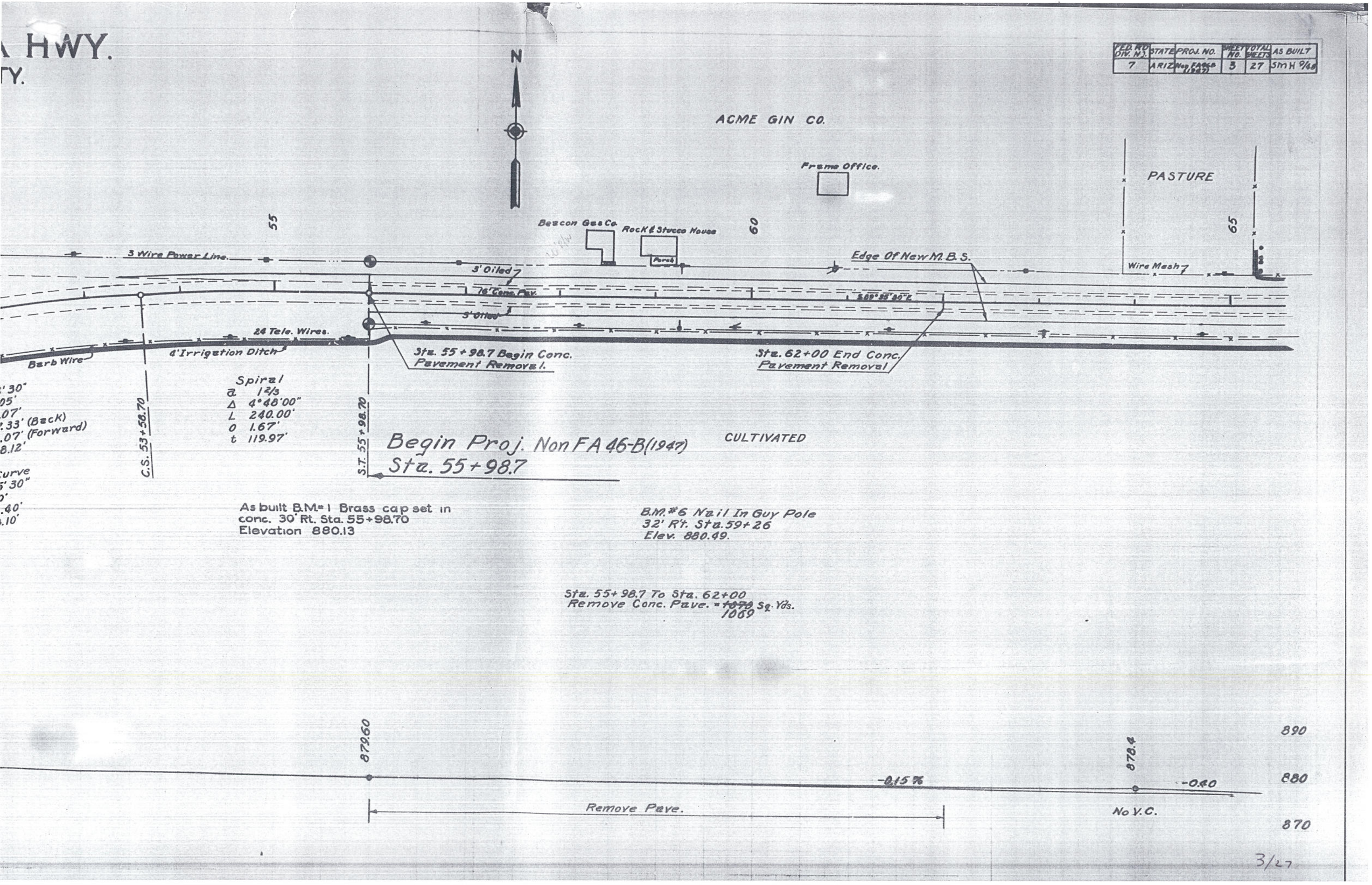
PERCENT OF CROWN "C" AT INTERVALS OF ONE FOOT FROM ℄

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0.11	0.44	1.00	1.78	2.78	4.00	5.44	7.11	9.00	11.11	13.44	16.00	18.78	21.78	25.00	28.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.44	[illegible]
0.12	0.48	1.07	1.90	2.97	4.28	5.83	7.61	9.63	11.89	14.39	17.12	20.10	23.31	26.76	30.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C	
0.13	0.51	1.15	2.04	3.19	4.59	6.25	8.16	10.33	12.76	15.43	18.37	21.56	25.00	28.70	32.65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C		
0.14	0.55	1.23	2.19	3.43	4.94	6.72	8.78	11.11	13.72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C			
0.15	0.59	1.33	2.37	3.70	5.33	7.26	9.47	11.98	14.79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C				
0.16	0.64	1.44	2.56	4.00	5.76	7.84	10.24	12.96	16.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C					
0.17	0.69	1.56	2.78	4.34	6.25	8.51	11.11	14.06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C						
0.19	0.76	1.70	3.02	4.73	6.81	9.26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C							
0.21	0.83	1.86	3.31	5.17	7.44	10.12	13.22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C								
0.23	0.91	2.04	3.63	5.67	8.16	11.11	14.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C									
0.25	1.00	2.25	4.00	6.25	9.00	12.25	16.00	20.25	25.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C										
0.28	1.11	2.49	4.43	6.93	9.97	13.57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C											
0.31	1.23	2.78	4.94	7.72	11.11	15.12	[illegible]	25.00	30.86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C												
0.35	1.38	3.11	5.54	8.65	13.46	16.96	22.15	28.03	34.60	41.87	49.83	58.48	[illegible]	[illegible]	[illegible]	C													
0.39	1.56	3.52	6.25	9.77	14.06	19.14	25.00	31.64	39.06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C														
0.44	1.78	4.00	7.11	11.11	16.00	21.78	28.44	36.00	44.44	53.78	64.00	[illegible]	[illegible]	C															
0.51	2.04	4.57	8.16	12.75	18.37	25.00	32.65	41.33	51.02	[illegible]	[illegible]	[illegible]	C																
0.59	2.37	5.33	9.47	14.79	21.30	28.99	37.87	47.93	[illegible]	[illegible]	[illegible]	C																	
0.69	2.78	6.25	11.11	17.36	25.00	34.03	44.44	56.25	69.44	84.03	C																		
0.83	[illegible]	7.44	13.22	20.66	29.75	40.50	52.89	66.94	82.64	C																			
1.00	4.00	9.00	16.00	25.00	36.00	49.00	64.00	81.00	C																				
1.23	4.94	11.11	19.75	30.86	44.44	60.49	79.01	C																					
1.56	6.25	14.06	25.00	39.06	56.25	76.56	C																						
2.04	8.16	18.37	[illegible]	51.02	73.47	C																							
2.78	11.11	25.00	44.44	69.44	C																								
4.00	16.00	36.00	64.00	C																									

ARIZONA HIGHWAY DEPARTMENT
PLANS DIVISION
PARABOLIC CROWN TABLE
DRAWING NO. CH1

ARIZONA HIGHWAY DEPARTMENT
PLANS DIVISION
SUPERELEVATION & WIDENING CHARTS
DRAWING NO. CH3

per foot	D
.012	1°
.024	2°
.035	3°
.045	4°
.052	5°
.063	6°
.071	7°
.078	8°
.084	9°
.090	10°
.095	11°
.100	12°
.104	13°
.108	14°
.111	15°
.114	16°
.116	17°
.118	18°
.120	19°
.121	20°
.122	21°
.123	22°
.124	23°
.124	24°
.125	25°
.125	26°
.125	27°

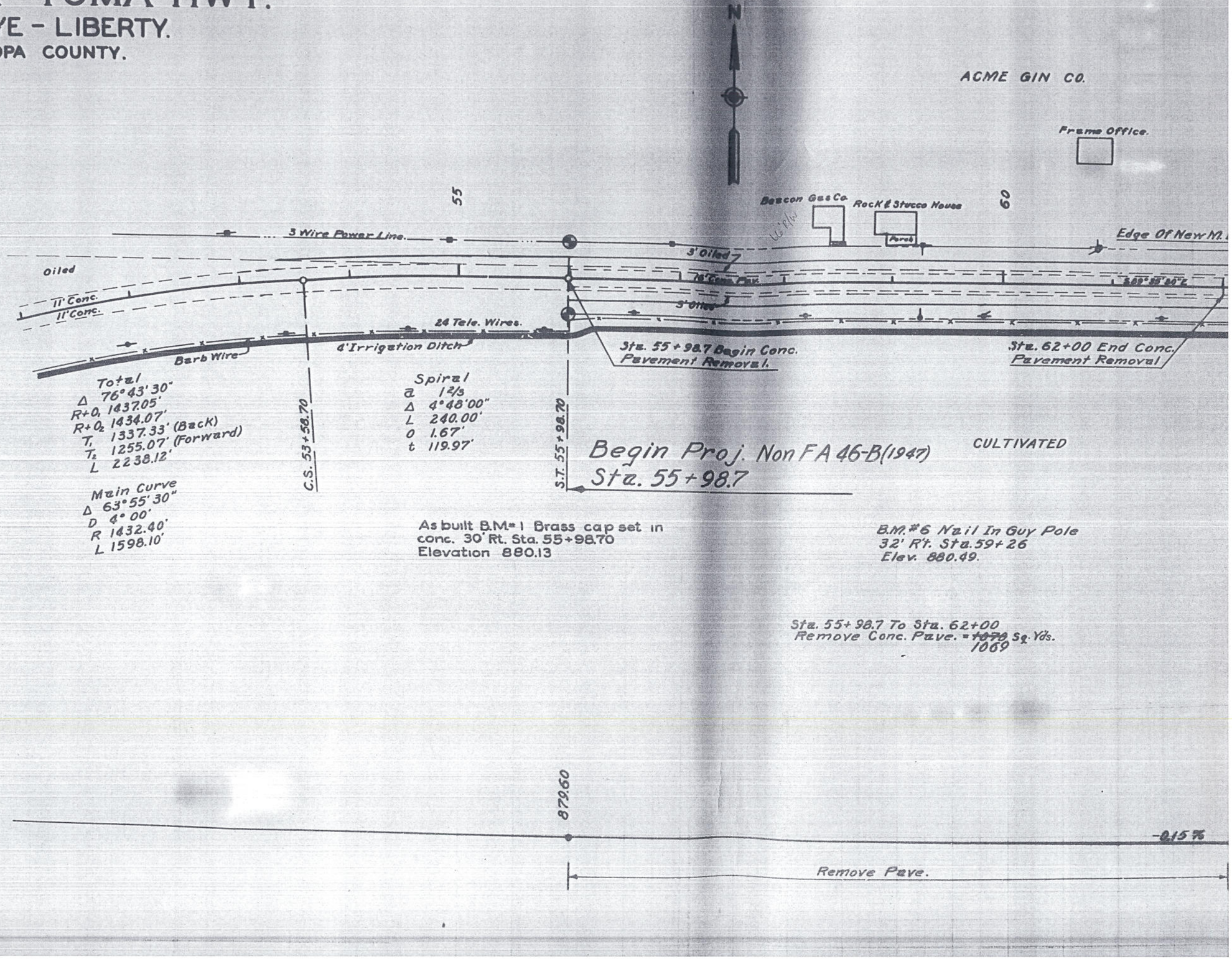


A HWY.
TY.
FED. RD. DIV. NO. 7
STATE ARIZ
PROJ. NO. Non FA46B (1947)
SHEET NO. 3
TOTAL SHEETS 27
AS BUILT SMH 9/48
N
ACME GIN CO.
Frame Office.
PASTURE
55
60
65
Beacon Gas Co.
Rock & Stucco House
Porch
3 Wire Power Line.
3' Oiled
16' Conc. Pav.
3' Oiled
Edge Of New M.B.S.
Wire Mesh
24 Tele. Wires.
4' Irrigation Ditch
Barb Wire
Sta. 55+98.7 Begin Conc. Pavement Removal.
Sta. 62+00 End Conc. Pavement Removal
Spiral
a 1 2/3
Δ 4°48'00"
L 240.00'
O 1.67'
t 119.97'
C.S. 53+58.70
S.T. 55+98.70
Begin Proj. Non FA 46-B(1947)
Sta. 55+98.7
CULTIVATED
As built B.M.=1 Brass cap set in conc. 30' Rt. Sta. 55+98.70
Elevation 880.13
B.M.#6 Nail In Guy Pole
32' Rt. Sta. 59+26
Elev. 880.49.
Sta. 55+98.7 To Sta. 62+00
Remove Conc. Pave. = ~~1070~~ 1069 Sq. Yds.
879.60
878.4
-0.15%
-0.40
Remove Pave.
No V.C.
890
880
870
3/27

PHOENIX - YUMA HWY.

BUCKEYE - LIBERTY.

MARICOPA COUNTY.



MARICOPA COUNTY.

CULTIVATED

Lt Sta 65+95
New C.M.P. Culv 12"x 18'

Sta. 66+28.79 3¼ Sec. Cor.
333 ℄ Angle Pt. Δ 0°09'40" Lt.
Bolt In Lead Plug.
New Std. A-33 Mon & Cover

Frame House

65

Wire Mesh

Barb Wire

4' Irr. Ditch

Sta. 66+20.6
24" x 26.2' C.M.P. & Hdw'ls.
In Place. Remove Hdwls.
Extend 16' Rt & 16' Lt.
24" x 32' Conc. Pipe.
2 - Std. A-13 Str. Hdwls.

70

Wire Mesh

4' Irr. Ditch

Sta. 70+52.3
18" x 26.2' C.M.P. & Hdwls.
In Place. Remove Hdwls.
Extend 16' Lt & 16' Rt
18" x 32' Conc. Pipe.
2 - Std. A-13 Str. Hdwls.

Edge Of New M.B.S.

Frame House.

Wire Mesh

CULTIVATE

Sta
Re

YARD & ORCHARD

CULTIVATED

As built B.M.=2 Brass cap
set in conc. Rt. Sta. 66+20.53
Elevation 876.24

Lt. Sta. 66+06 M. B. Turnout.
10'x13': 15' R. 25 S.Y.
18' New 12" Conc Pipe 36' Lt

Removed
24" x 26.2' C.M.P. & Conc. Hdw'ls.
In Place. Extend 16' Rt & 16' Lt
24" x 32' Conc. Pipe.
Struct. Exc. = 5 Cu. Yds.
2 - Std. A-13 Str. Hdw'ls.
Class 'A' Conc. = 1.96 C.Y.
Reinf. Steel = 88#

Sta. 66+
95' 2'x2' Dt. 40' Rt
18 C.Y.

B.M. #7. Nail In Tel. Pole.
28' Lt. Sta. 69+77
Elev. 876.27

Lt. Sta. 69+36 & 70+23 M. B. Turnouts.
10'x13'. 15' R 50 S.Y.

As built B.M.=3 Brass cap in
headwall Rt. Sta. 70+52.3
Elevation 875.54

Sta. 67 To Sta 70+53
4:1 Emb. Slope On Rt.

876.00
Cor. 0.52'

Removed
18" x 26.2' C.M.P. & Conc. Hdw'ls.
In Place. Extend 16' Rt. & 16' Lt.
18" x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2 - Std. A-13 Str. Hdw'ls.
Class 'A' Conc. = 1.46 C.Y.
Reinf. Steel = 74#

Lt. Sta. 73+87, 74+12 & 75+00
M. B. Turnouts. 10'x13'
15' R. 75 S.Y.

Rt. Sta. 74+70. M. B. Turnout.
10'x13': 15' R 25 S.Y.

890
880
870

-0.40 %

+0.20%

350' Grader Dt. 30' Rt.

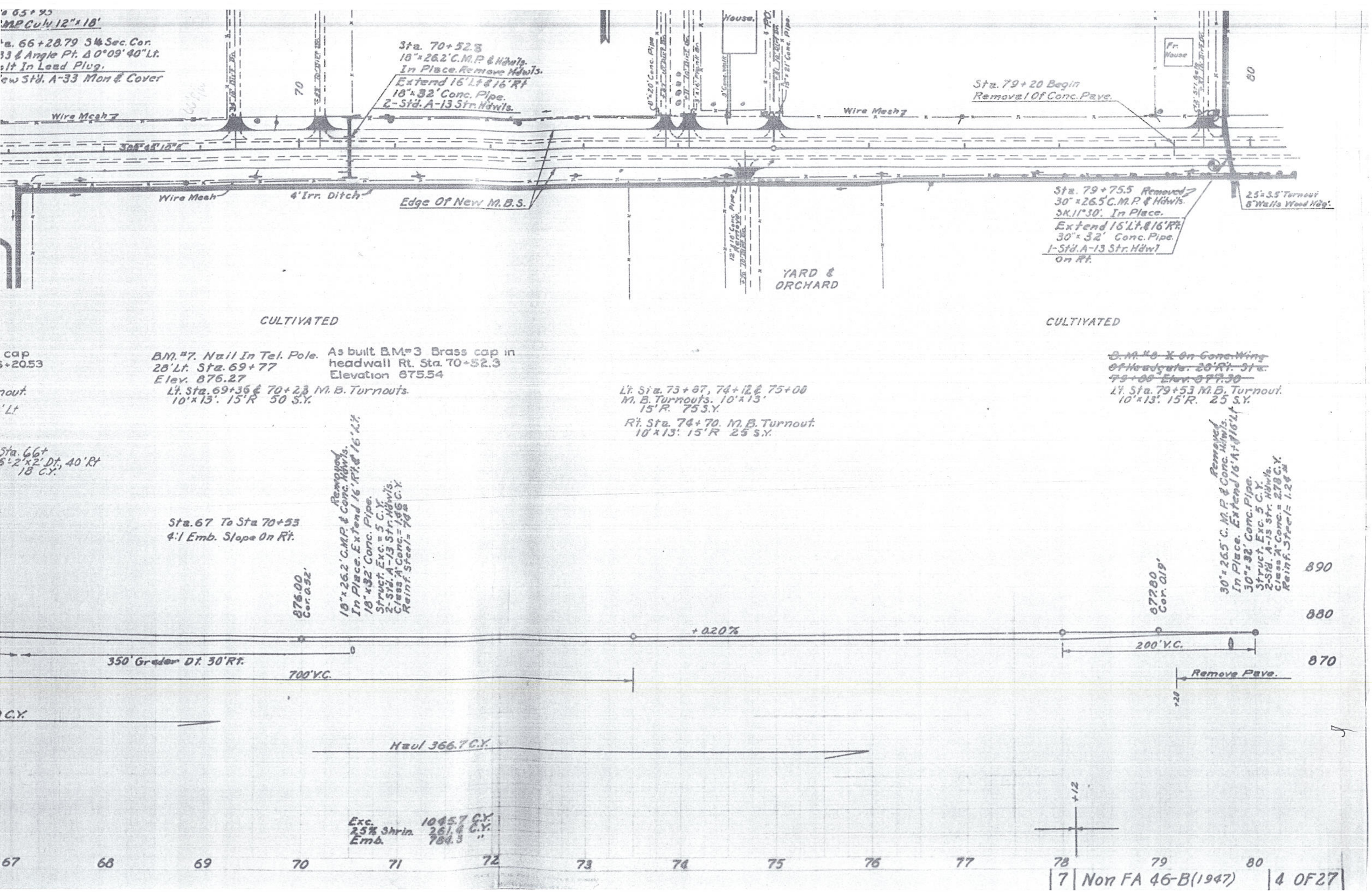
700' V.C.

Haul 432.0 C.Y.

Haul 366.7 C.Y.

Exc. 1045.7 C.Y.

4/27



Culv 12"x18'
Sta. 66+28.79 S¼ Sec. Cor.
33 & Angle Pt. Δ 0°09'40" Lt.
lt In Lead Plug.
ew Std. A-33 Mon & Cover
Sta. 70+52.8
18"x26.2' C.M.P. & Hdwls.
In Place. Remove Hdwls.
Extend 16' Lt & 16' Rt
18"x32' Conc. Pipe.
2-Std. A-13 Str. Hdwls.
House.
Fr. House
Sta. 79+20 Begin
Removal Of Conc. Pave.
Wire Mesh
Wire Mesh
Wire Mesh
4' Irr. Ditch
Edge Of New M.B.S.
Sta. 79+75.5 Removed
30"x26.5' C.M.P. & Hdwls.
SK. 11°30'. In Place.
Extend 16' Lt. & 16' Rt.
30"x32' Conc. Pipe.
1-Std. A-13 Str. Hdwl
On Rt.
2.5'x3.5' Turnout
8" Walls Wood Hdg.
YARD & ORCHARD
CULTIVATED
CULTIVATED
cap
+20.53
B.M. #7. Nail In Tel. Pole.
28' Lt. Sta. 69+77
Elev. 876.27
As built B.M. #3 Brass cap in headwall Rt. Sta. 70+52.3
Elevation 875.54
Lt. Sta. 69+36 & 70+23 M.B. Turnouts.
10'x13'. 15'R 50 S.Y.
Lt. Sta. 73+87, 74+12 & 75+00
M.B. Turnouts. 10'x13'
15'R. 75 S.Y.
Rt. Sta. 74+70. M.B. Turnout.
10'x13'. 15'R 25 S.Y.
~~B.M. #8 X On Conc. Wing Of Headgate. 28' Rt. Sta. 79+00 Elev. 877.30~~
Lt. Sta. 79+53 M.B. Turnout.
10'x13'. 15'R. 25 S.Y.
Sta. 66+
5'-2'x2' Dt., 40' Rt
18 C.Y.
Sta. 67 To Sta 70+53
4:1 Emb. Slope On Rt.
Removed
18"x26.2' C.M.P. & Conc. Hdwls.
In Place. Extend 16' Rt. & 16' Lt.
18"x32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdwls.
Class "A" Conc. = 1.46 C.Y.
Reinf. Steel = 74#
Removed
30"x26.5' C.M.P. & Conc. Hdwls.
In Place. Extend 16' Rt. & 16' Lt.
30"x32' Conc. Pipe.
Struct. Exc. 5 C.Y.
2-Std. A-13 Str. Hdwls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 1.24#
876.00
Cor. 0.52'
877.80
Cor. 0.19'
+0.20%
350' Grader Dt. 30' Rt.
700' V.C.
200' V.C.
Remove Pave.
C.Y.
Haul 366.7 C.Y.
Exc. 1045.7 C.Y.
25% Shrin. 261.4 C.Y.
Emb. 784.3 "
890
880
870
67
68
69
70
71
72
73
74
75
76
77
78
79
80

Sta. 81+30 End
Removal Of Conc. Pave.

80

P.O.T. 84+0
Tack In Lead

85

90

New Std. A-33 Mon. & Cover.
Sta. 92+69.69 Sec. Cor. & Angle
Pt. Δ 0°14' Lt. 3/4" Pipe In
Lead Plug.

Wire Mesh
2 Power Wires
5 Power Wires
Edge Of New M.B.S.
3' Oil
16' Conc.
3' Oil
20 Tel. Wires
Barb Wire
4' Irrig. Ditch
Barb Wire
5' Irrig. Ditch
24"x 15' Conc. Pipe
Fr. House

Sta. 94+00
24"x 26' C.M.P.
Skew 9°15" Lt. I
Extend 16' Lt. &
24"x 32' Conc.
2-Std. A-13 Str. H

T1S R3W

CULTIVATED

B.M. #9 Nail In Power Pole.
31' Lt. Sta. 90+98
Elev. 872.79

As built
headwa
Elevati

Rt. Sta. 86+47 M.B. Turnout
10'x13'. 15'R. 25 S.Y.

Sta. 79+20 To Sta. 81+30
Conc. Pave. Removal = 373 S.Y.

890
880
870

874.72

-0.56%
-0.20%

Remove Pave.
130
N&Y.C.

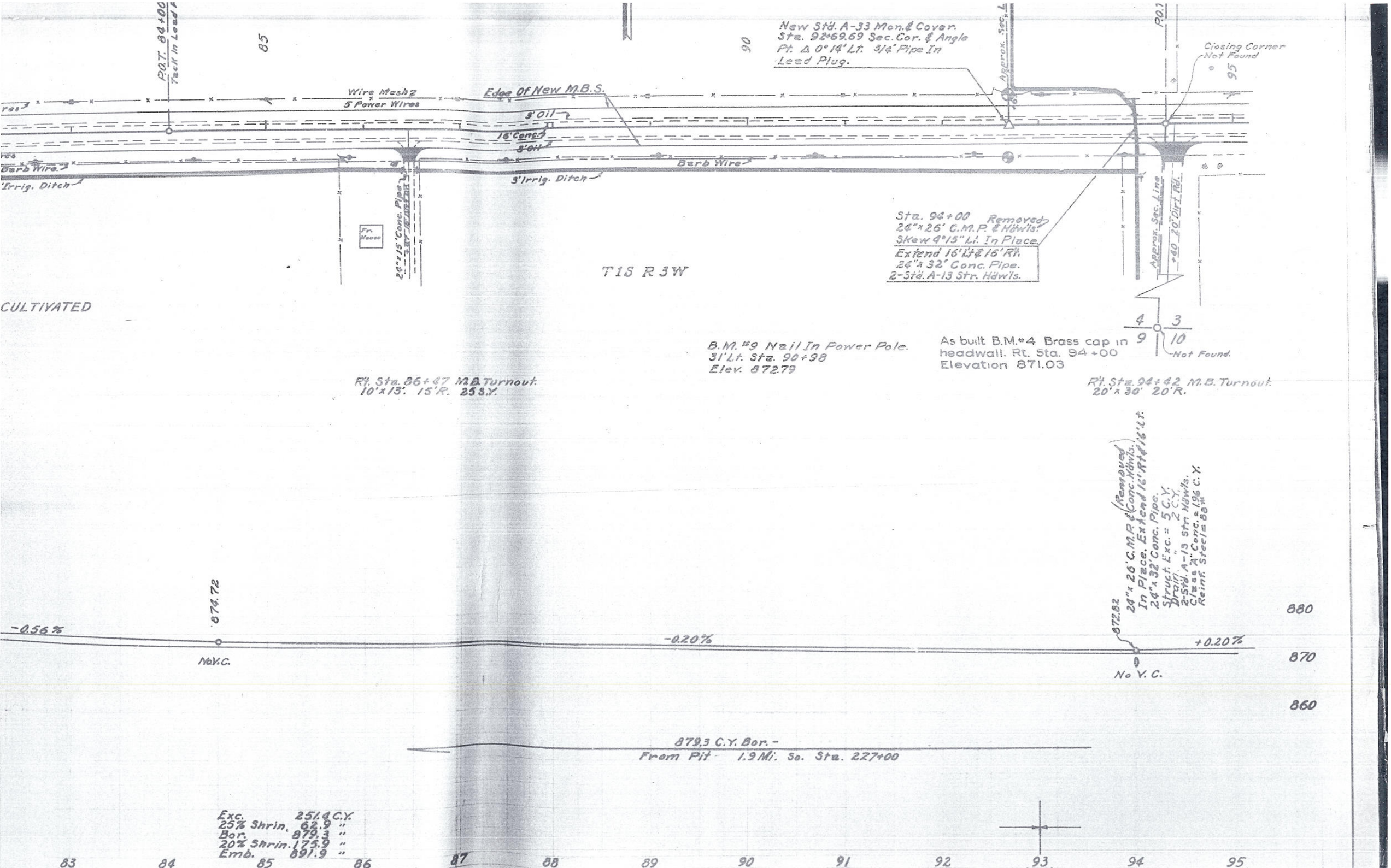
879.3 C.Y. Bor. -
From Pit 1.9 Mi. So. Sta. 227+00

Exc. 251.4 C.Y.
25% Shrin. 62.9 "
Bor. 879.3 "
20% Shrin. 175.9 "
Emb. 891.9 "

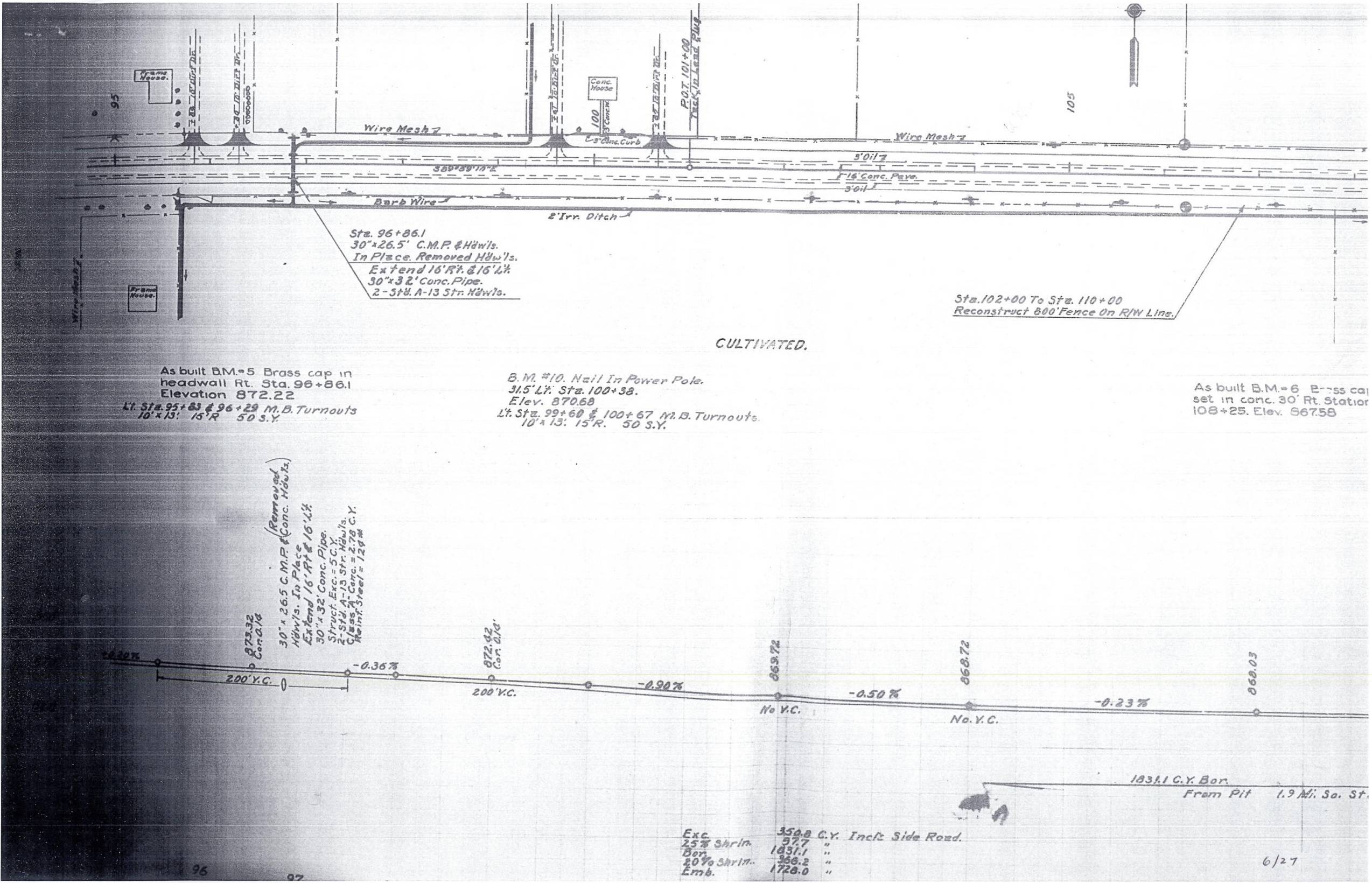
80 81 82 83 84 85 86 87 88 89 90 91 92

S/27

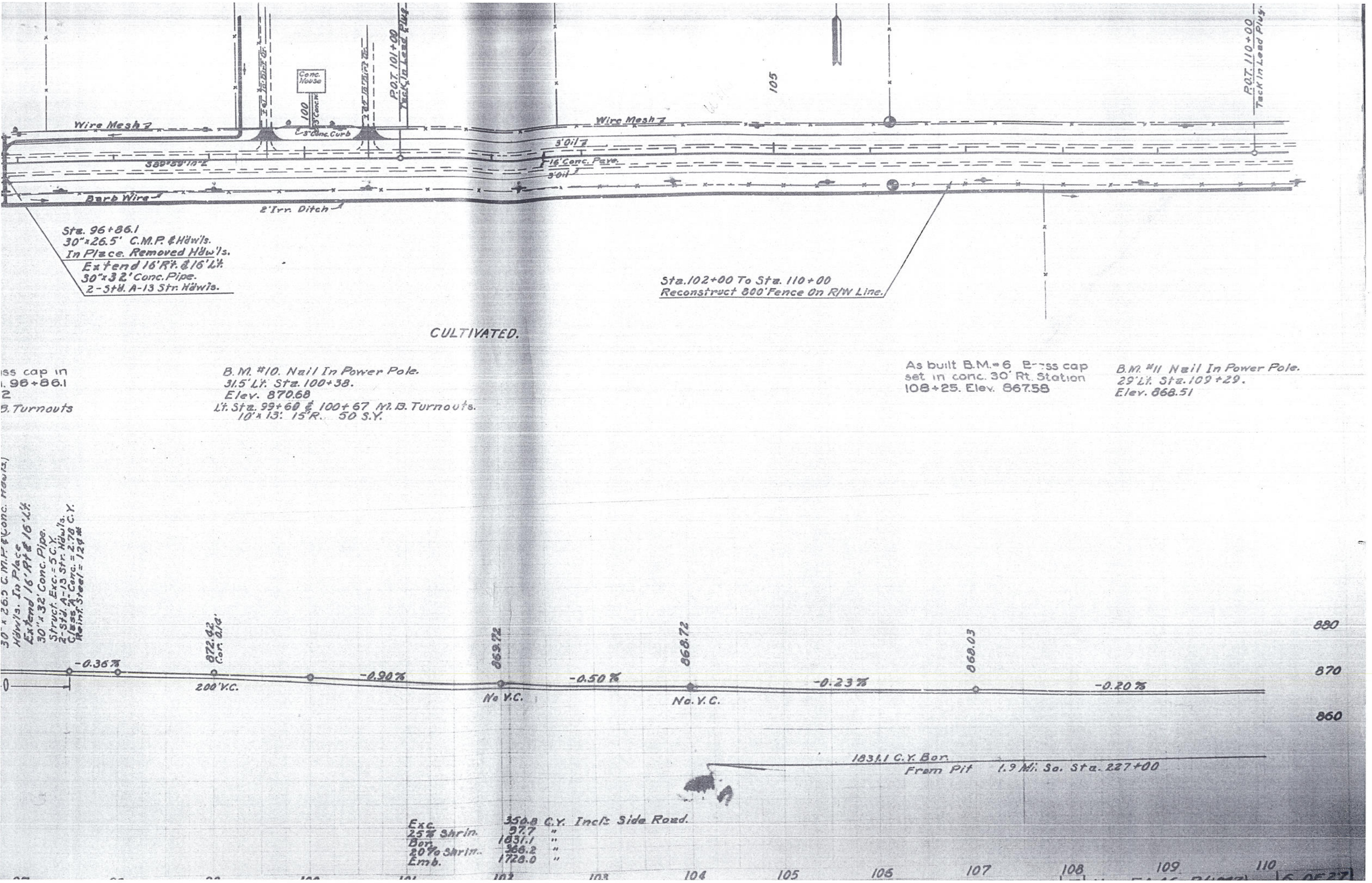
71306



P.O.T. 84+00
Tack In Lead
85
90
95
New Std. A-33 Mon. & Cover.
Sta. 92+69.69 Sec. Cor. & Angle
Pt. Δ 0°14' Lt. 3/4" Pipe In
Lead Plug.
Approx. Sec. L
Closing Corner
Not Found
Wire Mesh
5 Power Wires
Edge Of New M.B.S.
3' Oil
16' Conc.
3' Oil
Barb Wire
Barb Wire
3' Irrig. Ditch
3' Irrig. Ditch
24"x15' Conc. Pipe
Fr. House
Sta. 94+00 Removed
24"x26' C.M.P. & Hdw'ls.
Skew 4°15" Lt. In Place.
Extend 16' Lt & 16' Rt.
24"x32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.
Approx. Sec. Line
+40 20' Dirt Rd.
T1S R3W
CULTIVATED
4
3
9
10
Not Found.
B.M. #9 Nail In Power Pole.
31' Lt. Sta. 90+98
Elev. 872.79
As built B.M. #4 Brass cap in
headwall. Rt. Sta. 94+00
Elevation 871.03
Rt. Sta. 86+47 M.B. Turnout.
10'x13'. 15'R. 25 S.Y.
Rt. Sta. 94+42 M.B. Turnout.
20'x30' 20'R.
24"x26' C.M.P. & (Removed Conc. Hdw'ls.)
In Place. Extend 16' Rt & 16' Lt.
24"x32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
Drain. " 2 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 1.96 C.Y.
Reinf. Steel = 88#
874.72
872.82
-0.56%
-0.20%
+0.20%
No V.C.
No V.C.
880
870
860
879.3 C.Y. Bor. -
From Pit 1.9 Mi. So. Sta. 227+00
Exc. 251.4 C.Y.
25% Shrin. 62.9 "
Bor. 879.3 "
20% Shrin. 175.9 "
Emb. 891.9 "
83
84
85
86
87
88
89
90
91
92
93
94
95



Frame House.
95
Wire Mesh
Conc. House
100
3" Conc. Curb
P.O.T. 101+00
Tack In Lead Plug
105
Wire Mesh
3' Oil
16' Conc. Pave.
3' Oil
Barb Wire
2' Irr. Ditch
Sta. 96+86.1
30"x26.5' C.M.P. & Hdw'ls.
In Place. Removed Hdw'ls.
Extend 16' Rt. & 16' Lt.
30"x32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.
Frame House.
Sta. 102+00 To Sta. 110+00
Reconstruct 800' Fence On R/W Line.
CULTIVATED.
As built B.M.=5 Brass cap in headwall Rt. Sta. 96+86.1
Elevation 872.22
Lt. Sta. 95+83 & 96+29 M.B. Turnouts
10'x13'. 15'R 50 S.Y.
B.M. #10. Nail In Power Pole.
31.5' Lt. Sta. 100+38.
Elev. 870.68
Lt. Sta. 99+60 & 100+67 M.B. Turnouts.
10'x13'. 15'R. 50 S.Y.
As built B.M.=6 Brass cap set in conc. 30' Rt. Station 108+25. Elev. 867.58
30"x26.5 C.M.P. & (Removed Conc. Hdw'ls.)
Hdw'ls. In Place
Extend 16' Rt & 16' Lt.
30"x32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 124#
873.32
Cor. 0.14
872.42
Cor. 0.14
869.72
868.72
868.03
-0.20%
-0.36%
-0.90%
-0.50%
-0.23%
200' V.C.
200' V.C.
No V.C.
No. V.C.
1831.1 C.Y. Bor.
From Pit 1.9 Mi. So. St.
Exc. 350.8 C.Y. Incl. Side Road.
25% Shrin. 87.7 "
Bor. 1831.1 "
20% Shrin. 366.2 "
Emb. 1728.0 "
96
97
6/27



Wire Mesh
Conc. House
100
3" Conc. Curb
P.O.T. 101+00
Tack In Lead Plug
105
P.O.T. 110+00
Tack In Lead Plug
3' Oil
16' Conc. Pave.
3' Oil
Barb Wire
2' Irr. Ditch
Sta. 96+86.1
30"x26.5' C.M.P. & Hdw'ls.
In Place. Removed Hdw'ls.
Extend 16' Rt. & 16' Lt.
30"x32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.
Sta. 102+00 To Sta. 110+00
Reconstruct 800' Fence On R/W Line.
CULTIVATED.
ss cap in
. 96+86.1
2
B. Turnouts
B.M. #10. Nail In Power Pole.
31.5' Lt. Sta. 100+38.
Elev. 870.68
Lt. Sta. 99+60 & 100+67 M.B. Turnouts.
10'x13'. 15'R. 50 S.Y.
As built B.M.-6 Brass cap
set in conc. 30' Rt. Station
108+25. Elev. 867.58
B.M. #11 Nail In Power Pole.
29' Lt. Sta. 109+29.
Elev. 868.51
30"x26.5 C.M.P. & Conc. Hdw'ls.
Hdw'ls. In Place
Extend 16' Rt & 16' Lt.
30"x32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 124#
-0.36%
872.42
Cor. 0.14'
200' V.C.
-0.90%
869.72
No V.C.
-0.50%
868.72
No. V.C.
-0.23%
868.03
-0.20%
880
870
860
1831.1 C.Y. Bor.
From Pit 1.9 Mi. So. Sta. 227+00
Exc. 350.8 C.Y. Incl. Side Road.
25% Shrin. 97.7 "
Bor. 1831.1 "
20% Shrin. 366.2 "
Emb. 1728.0 "
104
105
106
107
108
109
110

R.O.T. 110+00
Tack In Lead Plug

Remove 3'x3' Conc. Pipe Hdwl.

115

Wire Mesh 7

Wire Mesh 7

Barb Wire

3' Oil 7

S 89°59'10" E

16' Conc. Pave.

3' Oil 7

Barb Wire

2 Irrig. Ditch

Edge Of New M.B.S.

Sta. 110+00 To Sta. 118+50
Reconstruct 850' Fence & Gate
On R/W Line.

Sta. 117+28.2
18" x 26' C.M.P. & Hdw'ls.
In Place. Removed Hdwls
Extend 16' Rt & 16' Lt.
18" x 32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.

Sta. 119+04 Removed
24" x 26.2' C.M.P. & Hdw'ls.
In Place. Extend 16' Rt & 16' Lt.
24" x 32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.

Sta. 118+15 Begin
Conc. Pave. Removal

120

Sta. 119+80 End
Conc. Pave. Removal.

Sta. 114+7
Reconstru
On R/W L.

Sta. 119+16.89 S 1/4 Sec. Cor. Sec 34
& Angle Pt. Δ 0°25'40" Lt.
Lead Plug & Tack.
New Std. A-33 Mon. & Cover.

CULTIVATED

As built B.M. = 7 Brass cap
in headwall Rt. Sta. 119+04
Elevation 867.02
B.M. #12 X On Conc. Headgate
38' Rt. Sta. 119+12
Elev. 866.94

Lt. Sta. 114+42 M.B. Turnout
10' x 13': 15' R. 25 S.Y.

Sta. 118+15 To Sta. 119+80
Conc. Pavement Removal = 293.3 S.Y.

Sta. 110 To 118+00
New Irr. Dt. 1' Bottom
36' Lt. 100 C.Y.

18" x 26.2' C.M.P. & (Conc. Hdw'ls.) (Removed)
In Place. Extend 16' Lt. & 16' Lt
18" x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class 'A' Conc. = 1.96 C.Y.
Reinf. Steel = 74#

24" x 26.2' C.M.P. & (Conc. Hdw'ls.) (Removed)
In Place. Extend 16' Rt & 16' Lt
24" x 32' Conc. Pipe.
Struct. Exc. 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class 'A' Conc. = 1.96 C.Y.
Reinf. Steel = 88#

Sta. 119+20 7
New Irr. Dt.
65

870
860
850

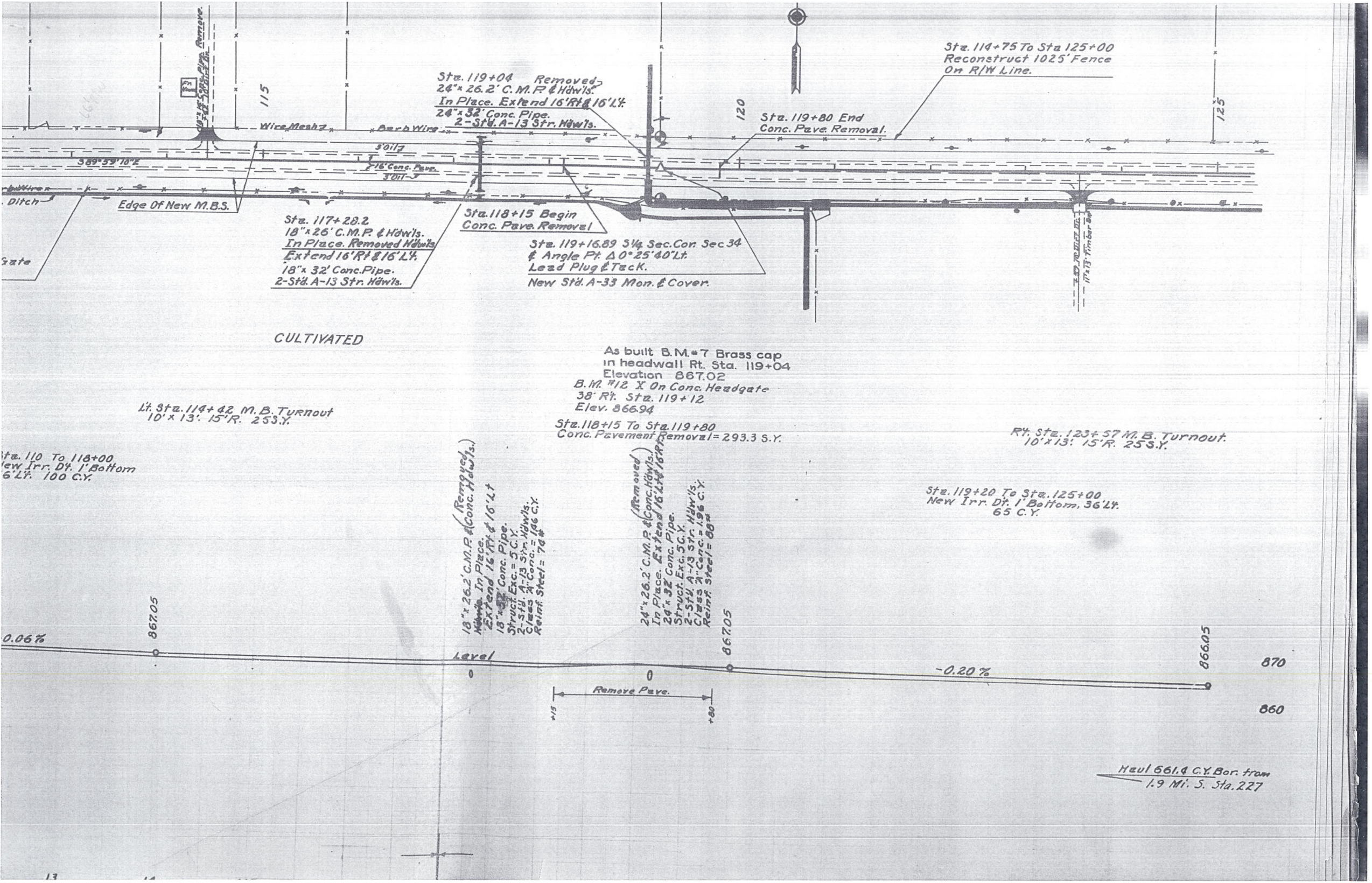
867.23
867.05
867.05

-0.20%
-0.06%
Level
-0.20%

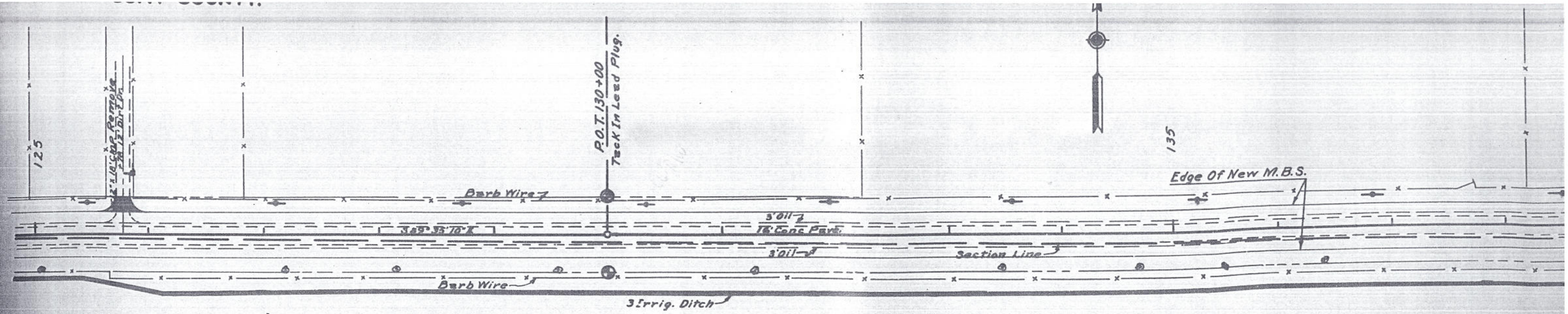
0
0
Remove Pave.
+15
+80

110
11
12
13
14

7/27



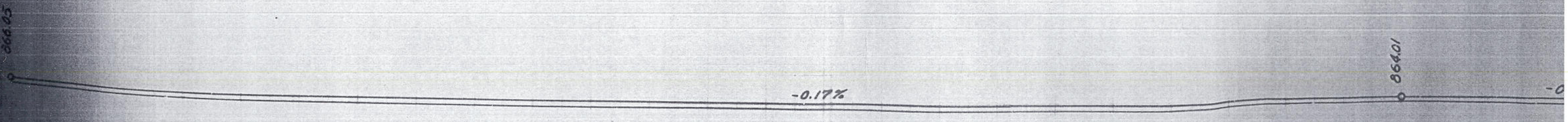
Sta. 114+75 To Sta 125+00
Reconstruct 1025' Fence
On R/W Line.
Sta. 119+04 Removed
24"x 26.2' C.M.P. & Hdw'ls.
In Place. Extend 16' Rt & 16' Lt.
24"x 32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.
Sta. 119+80 End
Conc. Pave. Removal.
115
120
125
Wire Mesh
Barb Wire
3' Oil
16' Conc. Pave.
3' Oil
Ditch
Edge Of New M.B.S.
Sta. 117+28.2
18"x 26' C.M.P. & Hdw'ls.
In Place. Removed Hdw'ls
Extend 16' Rt & 16' Lt.
18"x 32' Conc. Pipe.
2-Std. A-13 Str. Hdw'ls.
Sta. 118+15 Begin
Conc. Pave. Removal
Sta. 119+16.89 S1/4 Sec. Cor. Sec 34
& Angle Pt. Δ 0°25'40" Lt.
Lead Plug & Tack.
New Std. A-33 Mon. & Cover.
Gate
CULTIVATED
As built B.M. #7 Brass cap
in headwall Rt. Sta. 119+04
Elevation 867.02
B.M. #12 X On Conc. Headgate
38' Rt. Sta. 119+12
Elev. 866.94
Lt. Sta. 114+42 M.B. Turnout
10'x 13'. 15' R. 25 S.Y.
Sta. 118+15 To Sta. 119+80
Conc. Pavement Removal = 293.3 S.Y.
Rt. Sta. 123+57 M.B. Turnout.
10'x 13'. 15' R. 25 S.Y.
Sta. 110 To 118+00
New Irr. Dt. 1' Bottom
6' Lt. 100 C.Y.
Sta. 119+20 To Sta. 125+00
New Irr. Dt. 1' Bottom, 36' Lt.
65 C.Y.
18"x 26.2' C.M.P. & (Removed Conc. Hdw'ls.)
Hdw'ls. In Place.
Extend 16' Rt & 16' Lt
18"x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 1.46 C.Y.
Reinf. Steel = 74#
24"x 26.2' C.M.P. & (Removed Conc. Hdw'ls.)
In Place. Extend 16' Lt & 16' Rt
24"x 32' Conc. Pipe.
Struct. Exc. 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 1.96 C.Y.
Reinf. Steel = 88#
0.06%
867.05
Level
0
0
867.05
-0.20%
866.05
870
860
Remove Pave.
+15
+80
Haul 661.4 C.Y. Bor. from
1.9 Mi. S. Sta. 227



Lt. Sta. 125+78 M. B. Turnout.
12' x 13'. 15'R.

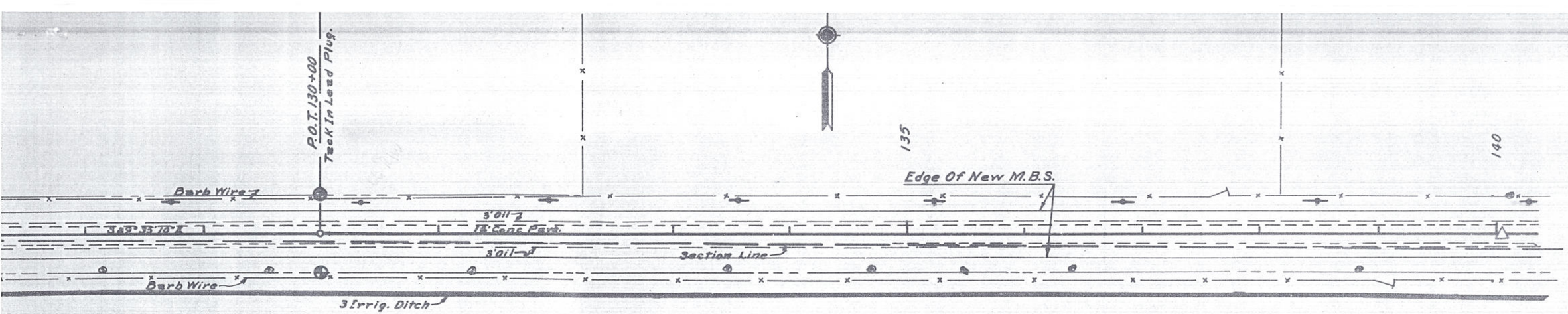
As built B.M.# 8 Brass cap set in
conc. 30' Rt. Sta. 133+06
Elevation 865.54

Sta 125 To Sta. 140
New Irr. Dt. 1' Bottom 36' Lt.
170 C.Y.



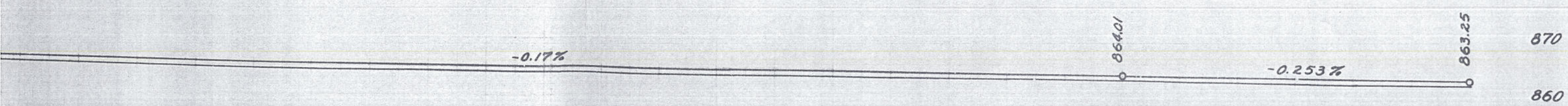
Exc.	344.5 C.Y.
25% Shrin.	86.1 "
Bor.	661.4 "

8/27



As built B.M.#8 Brass cap set in
conc. 30' Rt. Sta. 133+06
Elevation 865.54

Sta 125 To Sta. 140
New Irr. Dt. 1' Bottom 36' Lt.
170 C.Y.



Exc.	344.5 C.Y.
25% Shrin.	86.1 "
Bor.	661.4 "
20% Shrin	132.3 "

BUCKEYE - LIBERTY.
MARICOPA COUNTY.

T1N R3W

CULTIVATED

CULTIVATED

140

Sta. 140+04.63 Angle Pt.
Δ 0°16'10" Lt. Tack In Lead Plug.

Barb Wire

N85°15'E

Barb Wire

3' Irrig. Ditch

16' Wire Gate

Sta. 145+56.27
New A-33 Mon. & Cover
Sec. Cor. Stone

145

18"x 50' C.M.P. New 15°16'24" Lt.

Sec. Line

Sta. 146+86.65
6'x 4'x 31.5' Conc. Box Culv. In Place.
Extend Rt. & Lt.
See Bn Sht. #25.

As built B.M.= 9 Brass cap in headwall Rt. Sta. 146+87.94
Elevation 861.69

~~B.M.#14. Nail In Tele. Pole. 36' Lt. Sta. 140+38 Elev. 862.39~~

~~B.M.#141. X On So. End Conc. Wing Wall. 36' Rt. Sta. 146+84 Elev. 861.85~~

Lt. Sta. 145+37 M.B. Turnout
24"x 30' 20' R.

Sta. 140 To 155
New Irr. Dt. 1' Bottom 36' Lt.
170 C.Y.

863.25

870

860

850

-0.27%

275.5 C.Y. Bor.
From Pit 1.3 Mi. So. Sta. 227+00

CULTIVATED

150

Sta. 147+16.77 Angle Point.
Δ 0°11' Rt. Nail In Pavement.

Edge Of New M.B.S.

Wire Mesh & Barb Wire

N 48°30' E

Barb Wire

Sta. 147+16.77
New A-33 Mon. & Cover.
Closing Corner Stone.

New 24"x 36' C.M.P.

Remove. 18"x 40' C.M.P. Dirt On Sec. Line

Remove. 45°30' C.M.P. Conc. Wing Wall

NOT CULTIVATED

3 2
10 11
Not Found

~~B.M.#15. Nail In Tele. Pole. 20' Lt. Sta. 149+35 Elev. 860.53~~

Rt. Sta. 147+10 M.B. Turnout
20"x 20' 20' R. 63 S.Y.
36' New 24" C.M.P.
5 C.Y. Str. Exc.

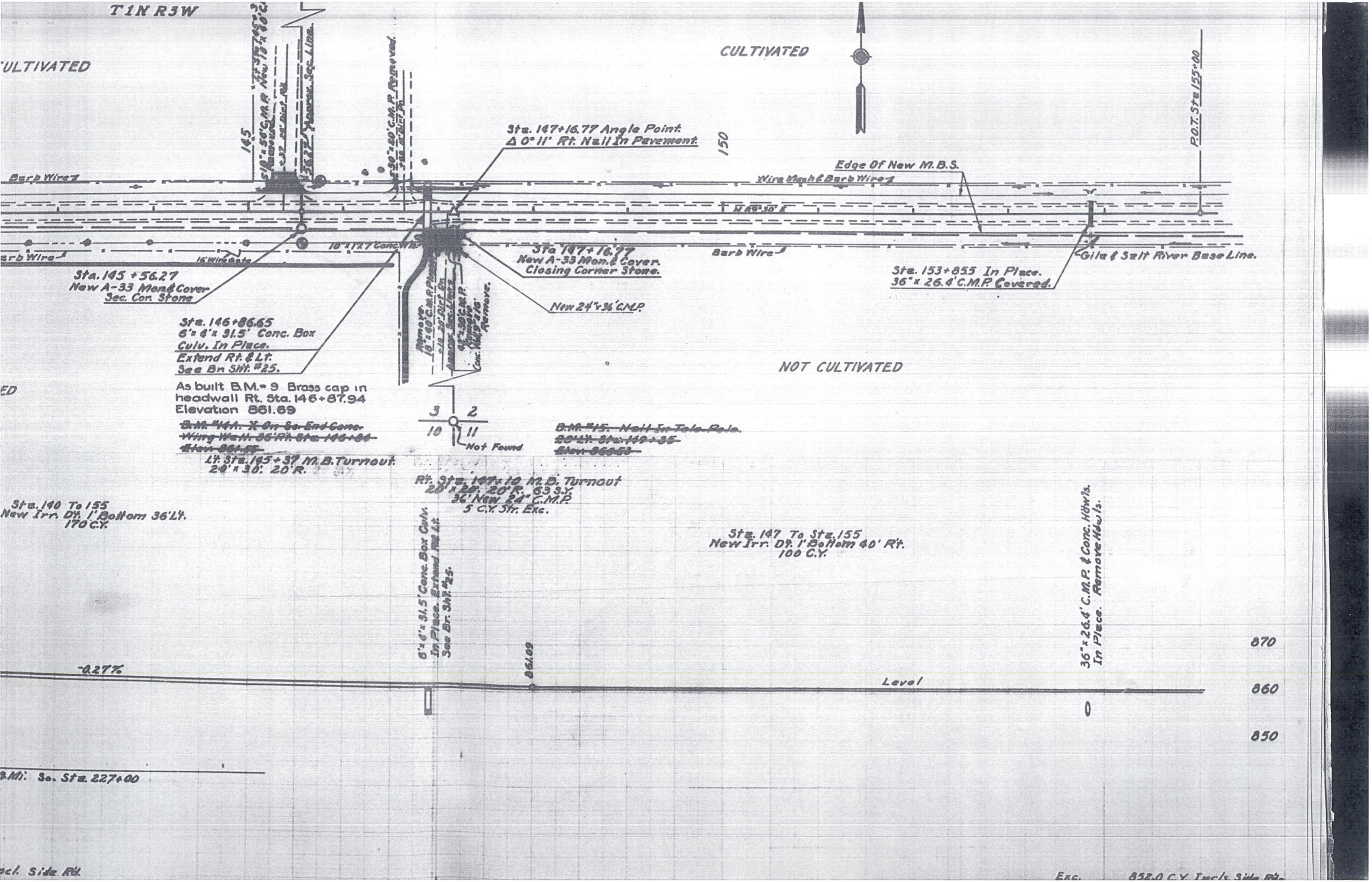
Sta. 147 To Sta. 155
New Irr. Dt. 1' Bottom 40' Rt.
100 C.Y.

6'x 4'x 31.5' Conc. Box Culv. In Place. Extend Rt. & Lt. See Bn. Sht. #25.

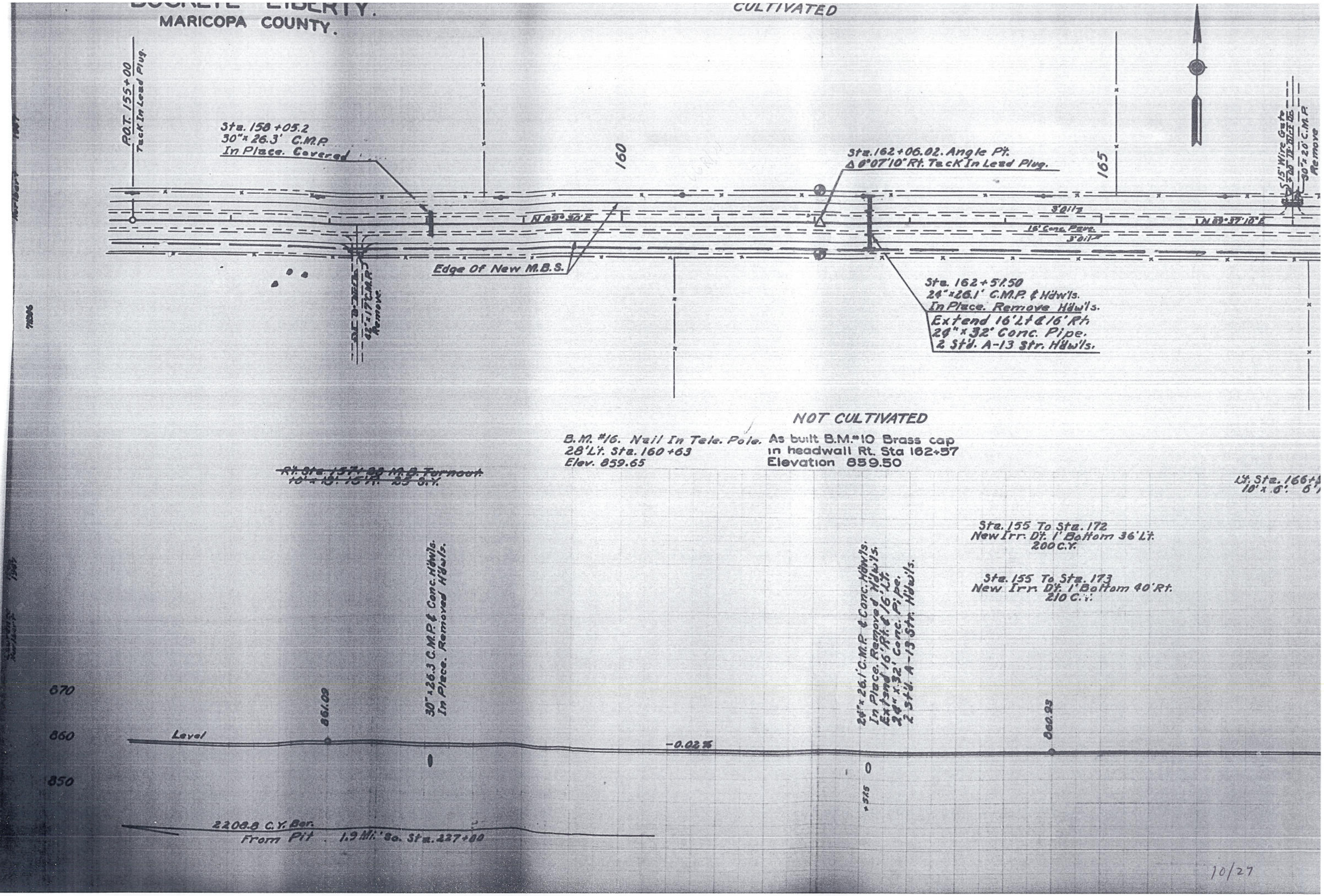
861.09

Level

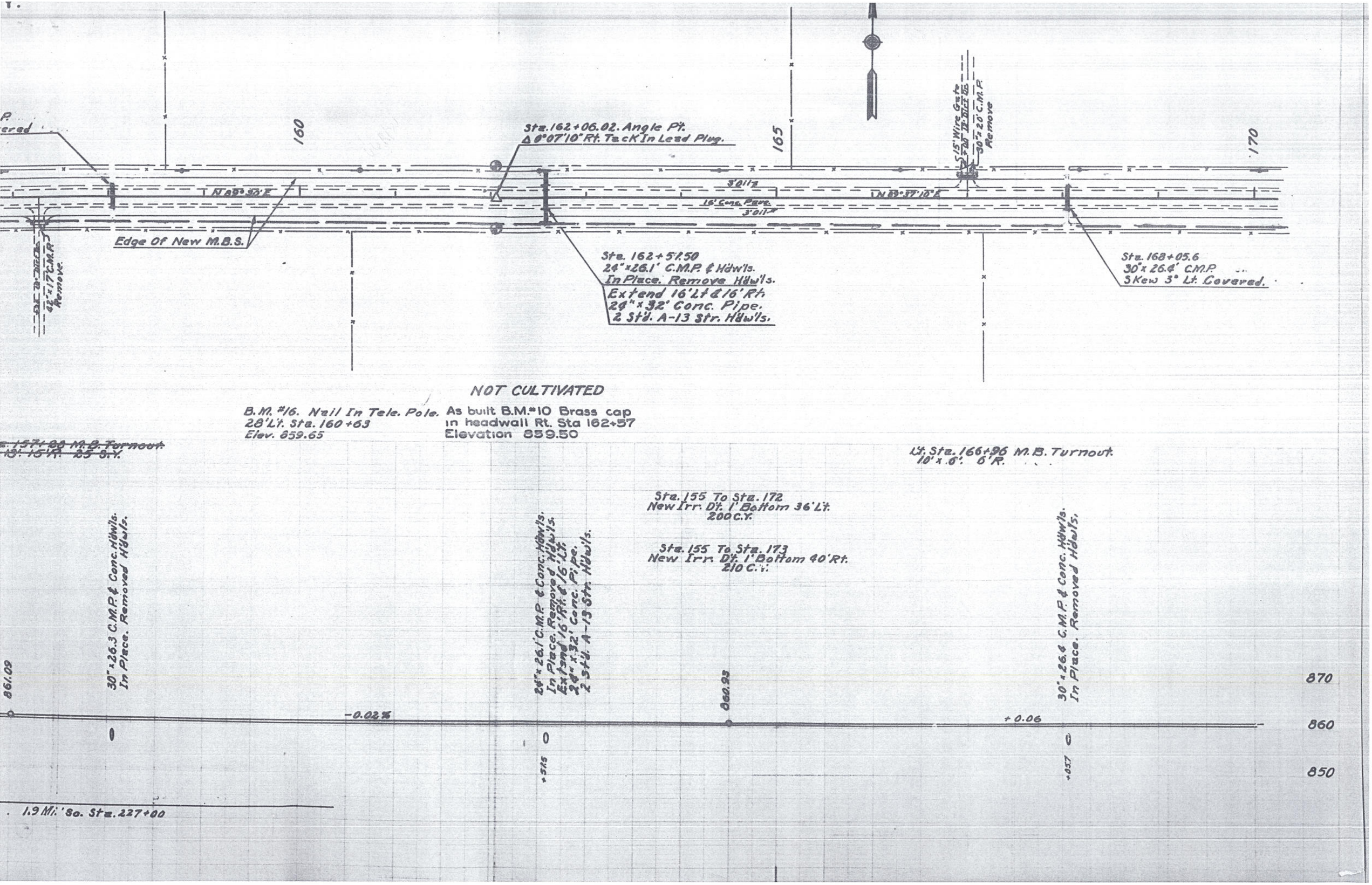
9/27



T1N R3W
CULTIVATED
CULTIVATED
NOT CULTIVATED
Sta. 147+16.77 Angle Point.
Δ 0° 11' Rt. Nail In Pavement.
Edge Of New M.B.S.
Wire Mesh & Barb Wire
Barb Wire
Barb Wire
Barb Wire
N 89°30' E
P.O.T. Sta 155+00
Gila & Salt River Base Line.
Sta. 145 + 56.27
New A-33 Mon. & Cover
Sec. Cor. Stone
Sta 147+16.77
New A-33 Mon. & Cover.
Closing Corner Stone.
New 24"x36' C.M.P.
Sta. 153+85.5 In Place.
36" x 26.4' C.M.P. Covered.
Sta. 146+86.65
6'x 4'x 31.5' Conc. Box
Culv. In Place.
Extend Rt. & Lt.
See Br. Sht. #25.
As built B.M. = 9 Brass cap in
headwall Rt. Sta. 146+87.94
Elevation 861.69
Not Found
Lt. Sta. 145+37 M.B. Turnout.
20' x 30'. 20' R.
Rt. Sta. 147+10 M.B. Turnout
20' x 20'. 20' R. 63 S.Y.
36' New 24" C.M.P.
5 C.Y. Str. Exc.
Sta. 140 To 155
New Irr. Dt. 1' Bottom 36' Lt.
170 C.Y.
Sta. 147 To Sta. 155
New Irr. Dt. 1' Bottom 40' Rt.
100 C.Y.
6'x 4'x 31.5' Conc. Box Culv.
In Place. Extend Rt. & Lt.
See Br. Sht. #25.
36" x 26.4' C.M.P. & Conc. Hdwls.
In Place. Remove Hdwls.
861.09
-0.27%
Level
870
860
850
Mi. So. Sta. 227+00
Side Rd.
Exc.
852.0 C.Y. Incls. Side Rd.

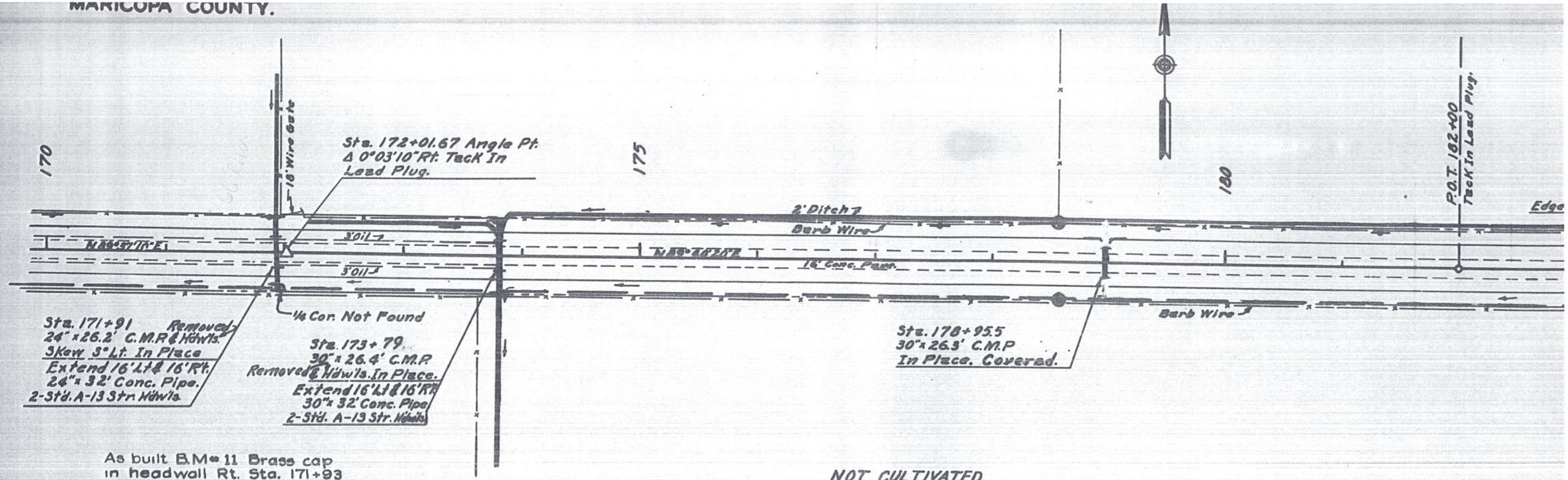


MARICOPA COUNTY.
CULTIVATED
P.O.T. 155+00
Tack In Lead Plug.
Sta. 158+05.2
30"x 26.3' C.M.P.
In Place. Covered
160
Sta. 162+06.02. Angle Pt.
Δ 0°07'10" Rt. Tack In Lead Plug.
165
15' Wire Gate
30"x 20' C.M.P.
Remove
N 89°30' E
N 89°37'10" E
3' Oil
16' Conc. Pave.
3' Oil
Edge Of New M.B.S.
42"x 17' C.M.P.
Remove
Sta. 162+51.50
24"x 26.1' C.M.P. & Hdw'ls.
In Place. Remove Hdw'ls.
Extend 16' Lt & 16' Rt.
24"x 32' Conc. Pipe.
2 Std. A-13 Str. Hdw'ls.
NOT CULTIVATED
B.M. #16. Nail In Tele. Pole.
28' Lt. Sta. 160+63
Elev. 859.65
As built B.M. #10 Brass cap
in headwall Rt. Sta 162+57
Elevation 859.50
Rt. Sta. 157+00 M.B. Turnout.
10'x 13'. 15' Rt. 25 S.Y.
Lt. Sta. 166+
10'x 6'. 6'
Sta. 155 To Sta. 172
New Irr. Dt. 1' Bottom 36' Lt.
200 C.Y.
Sta. 155 To Sta. 173
New Irr. Dt. 1' Bottom 40' Rt.
210 C.Y.
30"x 26.3 C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
24"x 26.1' C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
Extend 16' Rt. & 16' Lt.
24"x 32' Conc. Pipe.
2 Std. A-13 Str. Hdw'ls.
870
860
850
861.09
860.93
Level
-0.02%
+51.5
2208.8 C.Y. Bor.
From Pit 1.9 Mi. So. Sta. 227+00
10/27



160
165
170
Sta. 162+06.02. Angle Pt.
Δ 0°07'10" Rt. Tack In Lead Plug.
15' Wire Gate
30"x 20' C.M.P. Remove
N 89°30' E
N 89°37'10" E
3' Oil
16' Conc. Pave.
3' Oil
Edge Of New M.B.S.
42"x 17' C.M.P. Remove.
Sta. 162+51.50
24"x 26.1' C.M.P. & Hdw'ls.
In Place. Remove Hdw'ls.
Extend 16' Lt & 16' Rt.
24"x 32' Conc. Pipe.
2 Std. A-13 Str. Hdw'ls.
Sta. 168+05.6
30"x 26.4' C.M.P.
Skew 3° Lt. Covered.
NOT CULTIVATED
B.M. #16. Nail In Tele. Pole.
28' Lt. Sta. 160+63
Elev. 859.65
As built B.M. #10 Brass cap
in headwall Rt. Sta 162+57
Elevation 859.50
Lt. Sta. 166+96 M.B. Turnout.
10'x 6'. 6' R.
Sta. 155 To Sta. 172
New Irr. Dt. 1' Bottom 36' Lt.
200 C.Y.
Sta. 155 To Sta. 173
New Irr. Dt. 1' Bottom 40' Rt.
210 C.Y.
861.09
30"x 26.3 C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
24"x 26.1' C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
Extend 16' Rt. & 16' Lt.
24"x 32' Conc. Pipe.
2 Std. A-13 Str. Hdw'ls.
860.93
30"x 26.4 C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
-0.02%
+0.06
870
860
850
+51.5
+05.7
1.9 Mi. So. Sta. 227+00

MARICOPA COUNTY.



As built B.M.# 11 Brass cap in headwall Rt. Sta. 171+93 Elevation 860.40

NOT CULTIVATED

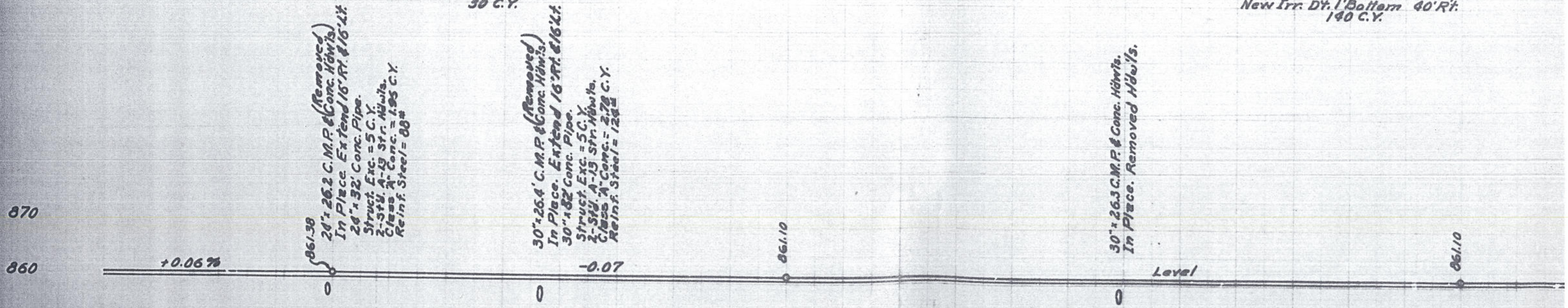
B.M. #17. Nail In Tele. Pole. 30' Lt. Sta. 170+06. Elev. 859.94

As built B.M.# 12 Brass cap in headwall Rt. Sta. 173+81 Elevation 859.28

B.M. #18. Nail In Tele. Pole 30' Lt. Sta. 179+43 Elev. 859.42

Sta. 172+20 To 173+60
New Irr. Dt. 1' Bottom 36' Lt.
30 C.Y.

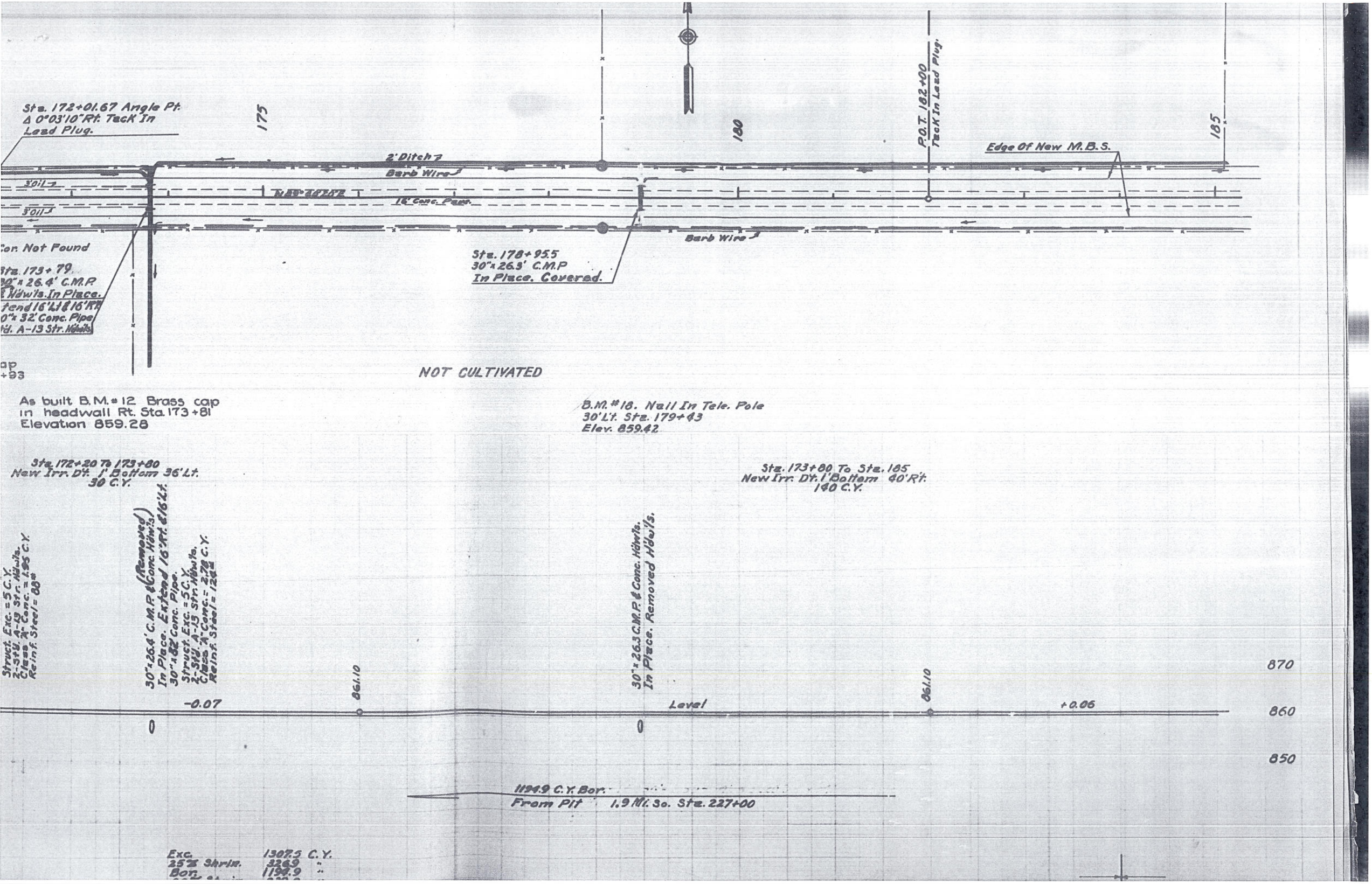
Sta. 173+80 To Sta. 185
New Irr. Dt. 1' Bottom 40' Rt.
140 C.Y.



1194.9 C.Y. Bor.
From Pit 1.9 Mi. So. Sta. 227+00

Exc. 1307.5 C.Y.
25% Shrin. 326.9 "

11/27



Sta. 172+01.67 Angle Pt.
Δ 0°03'10" Rt. Tack In
Lead Plug.
175
180
185
P.O.T. 182+00
Tack In Lead Plug.
Edge Of New M.B.S.
2' Ditch
Barb Wire
3' Oil
16' Conc. Pave.
Barb Wire
Cor. Not Found
Sta. 173+79
30"x 26.4' C.M.P.
Hdw'ls. In Place.
Extend 16' Lt & 16' Rt
0"x 32' Conc. Pipe
Std. A-13 Str. Hdw'ls
Sta. 178+95.5
30"x 26.3' C.M.P
In Place. Covered.
NOT CULTIVATED
As built B.M. # 12 Brass cap
in headwall Rt. Sta. 173+81
Elevation 859.28
B.M. # 18. Nail In Tele. Pole
30' Lt. Sta. 179+43
Elev. 859.42
Sta. 172+20 To 173+80
New Irr. Dt. 1' Bottom 36' Lt.
30 C.Y.
Sta. 173+80 To Sta. 185
New Irr. Dt. 1' Bottom 40' Rt.
140 C.Y.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 1.95 C.Y.
Reinf. Steel = 88#
30"x 26.4' C.M.P. & (Removed) Conc. Hdw'ls.
In Place. Extend 16' Rt. & 16' Lt.
30"x 82' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 124#
30"x 26.3 C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.
861.10
861.10
-0.07
Level
+0.06
0
0
870
860
850
1194.9 C.Y. Bor.
From Pit 1.9 Mi. So. Sta. 227+00
Exc. 1307.5 C.Y.
25% Shrin. 326.9 "
Bor. 1194.9 "

MARICOPA COUNTY.

185

190

P.O.T. 191+00
Tack In Lead Plug.

195

26
35

Sta. 199+50 End
Conc. Pave. Removal.

Edge Of New M.B.S.

N 89° 30' 20" E

30'
16' Conc. Pav't

Sta. 197+50 Begin
Conc. Pave. Removal.

Sta. 187+34.9
30" x 26.4' C.M.P.
Covered.

Sta. 195+06.7
30" x 26.4' C.M.P.
& H'dw'l. In Place.
Removed H'dw'ls
Covered.

Sta. 198+20 In Place
24" x 32.9' C.M.P.
(H'dw'ls. Removed)
Extend 16' Rt. & 16' Lt.
24" x 32' Conc. Pipe
2-Std. A-13 Str. H'dw'ls.

Sect. Cor. 14

In Place.
Sta. 199+8
36" x 26.4' C.
(H'dw'ls Remo
Extend 16' Rt.
36" x 32 Conc. P
2-Std. A-13 Str. H
Rt. 1-Std. A-13 Lt. Type

NOT CULTIVATED

T1S R3W

Closing Corner

B.M.#20. X
Slab. 56' Rt.
Elev. 861.08

B.M.#19. Nail In Tele. Pole.
29.5' Lt. Sta. 190+78
Elev. 859.75.

As built B.M.#13 Brass cap
in headwall Rt. Station
198+21.63 Elev. 862.77

Sta. 185+18 M.B. Turnout
12+13.75' R.

Sta. 197+50 To
Conc Pave. Re
Lt.
20'

Sta. 185 To Sta. 195
New Irr. Dt. 1' Bottom 40' Rt.
130 C.Y.

24" x 32.9' C.M.P. (Removed)
In Place. Extend 16' Rt. & 16' Lt.
24" x 32' Conc. Pipe.
2-Std. A-13 Str. H'dw'ls.

30" x 26.4' C.M.P. & Conc. H'dw'ls.
In Place. Removed H'dw'ls.

30" x 26.4' C.M.P. & Conc.
H'dw'ls. In Place.
Removed H'dw'ls.

86.40

86.40

86.76

+0.06

Level

+0.12 %

+0.50 %

+34.9

+06.7

0

Remove

300 Y.

532.0 C.Y. Bor.
From Pit 1.9 Mi. to Sta. 227+00

Exc.
1298.5 C.Y. Incl. Side Rd.

12/27

190

P.O.T. 191+00
Tack In Lead Plug.

195

Edge Of New M.B.S.

N.B. 31.2°E.

3 coats
1-6" Conc. Pav't.

Sta. 195+06.7
30"x26.4' C.M.P.
& Hdwl. In Place.
Removed H'd'wls
Covered.

Sta. 199+50 End
Conc. Pave Removal

Sta. 197+50 Begin
Conc. Pave. Removal

Sta. 198+20 In Place
24"x 32.9' C.M.P.
(Hdwls. Removed)
Extend 16' Rt. & 16' Lt.
24"x32' Conc. Pipe
2-Std. A-13 Str. Hdwls.

26 25
35 36

Sta. 200+09.54 Angle Pt.
Δ 0°25'50" Rt. Tack In
Lead Plug.

Sta. 198+53.11

200

Sect. Cor. 1¼" I.P.

In Place.
Sta. 199+86.4
36"x26.4' C.M.P.
(Hdwls Removed)
Extend 16' Rt. & 16' Lt.
36"x32 Conc. Pipe
2-Std. A-13 Str. Hdwl
~~Rt. 1-Std. A-13 L. Type Hdwl.~~

Closing Corner Stone.

T1S R3W

NOT CULTIVATED

B.M. #19. Nail In Tele. Pole.
29.5' Lt. Sta. 190+78
Elev. 859.75.

As built B.M.# 13 Brass cap
in headwall Rt. Station
198+21.63 Elev. 862.77

B.M.#20. X On N.E. Cor. Con.
Slab. 56' Rt. Sta 199+22
Elev. 861.08

2 1
11 12

Sta. 197+50 To 199+50
Conc Pave. Removal = 355.5 S.Y.

Lt. Sta. 198+[illegible] M.B. Turnout.
20'x25' 20R. 63 S.Y.

Rt. Sta. 200+08 M.B. Turn-
-out. 20'x[illegible]' 15R. 48 S.Y.

Sta. 185 To Sta. 195
New Irr. Dit. 1' Bottom 40' Rt.
130 C.Y.

30"x 26.4' C.M.P. & Conc. Hdw'ls.
In Place. Removed Hdw'ls.

24"x 32.9' C.M.P. (Removed)
In Place. Extend 16' Rt. & 16' Lt.
24"x 32' Conc. Pipe.
2-Std. A-13 Str. Hdwls.
Conc. 0.29 Class "A" Conc. = 1.96 C.Y.
Reinf. Steel = 88#
Struct. Exc. = 5 C.Y.

36"x 26.4' C.M.P. & Conc. (Removed)
In Place.
Extend 16' Rt. & 16' Lt.
36"x 32' Conc. Pipe
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdwl's.
Class "A" Conc. = 3.91 C.Y.
Reinf. Std. = 198#

30"x 31.4' Conc. Pipe
In Place. Covered
New 24"x 32' Conc. Pipe
Reinf Conc. Pipe

Level
+0.12%
+0.50%
-0.22%

861.40
861.76
0
0

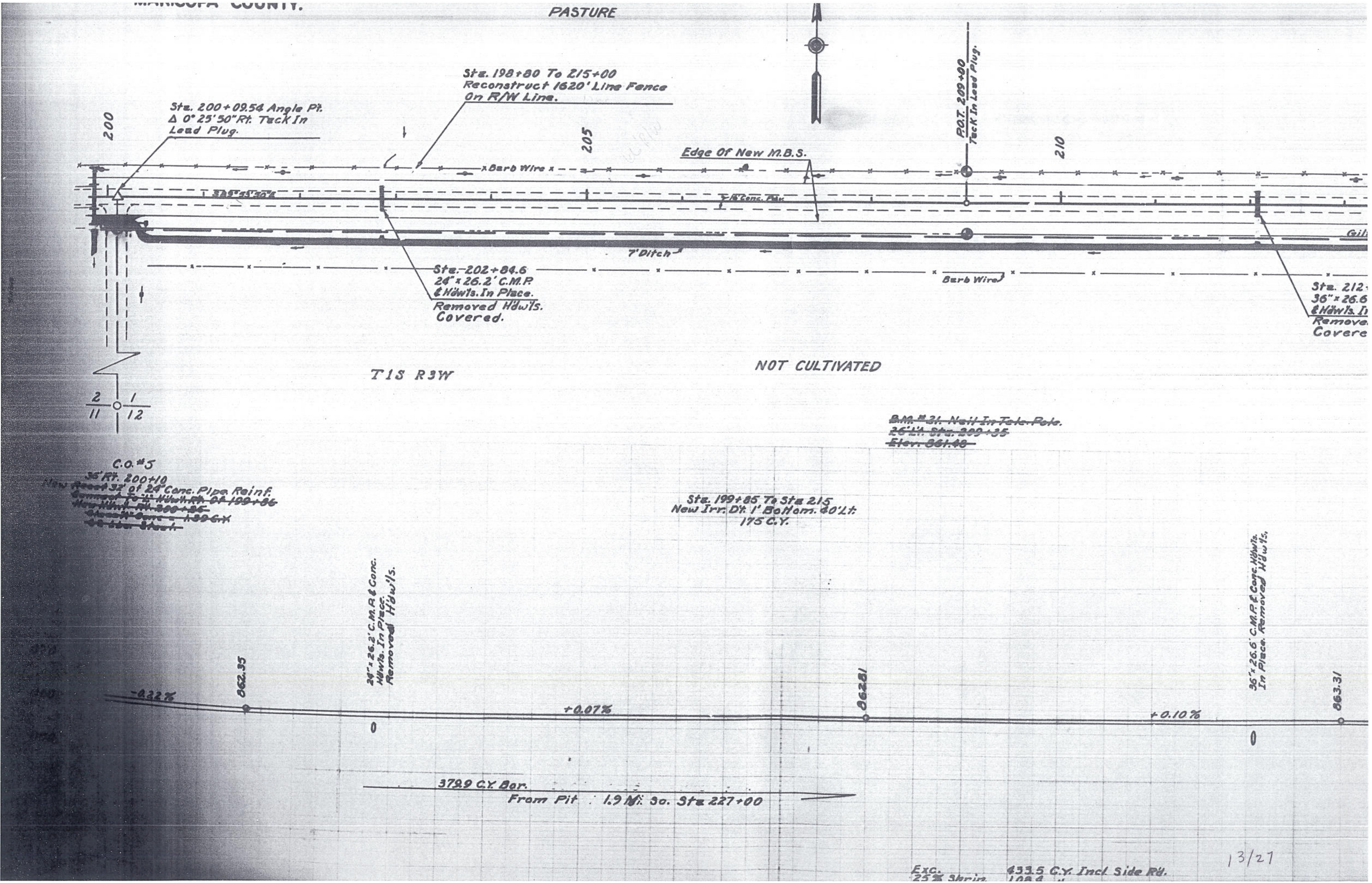
+34.9
+06.7

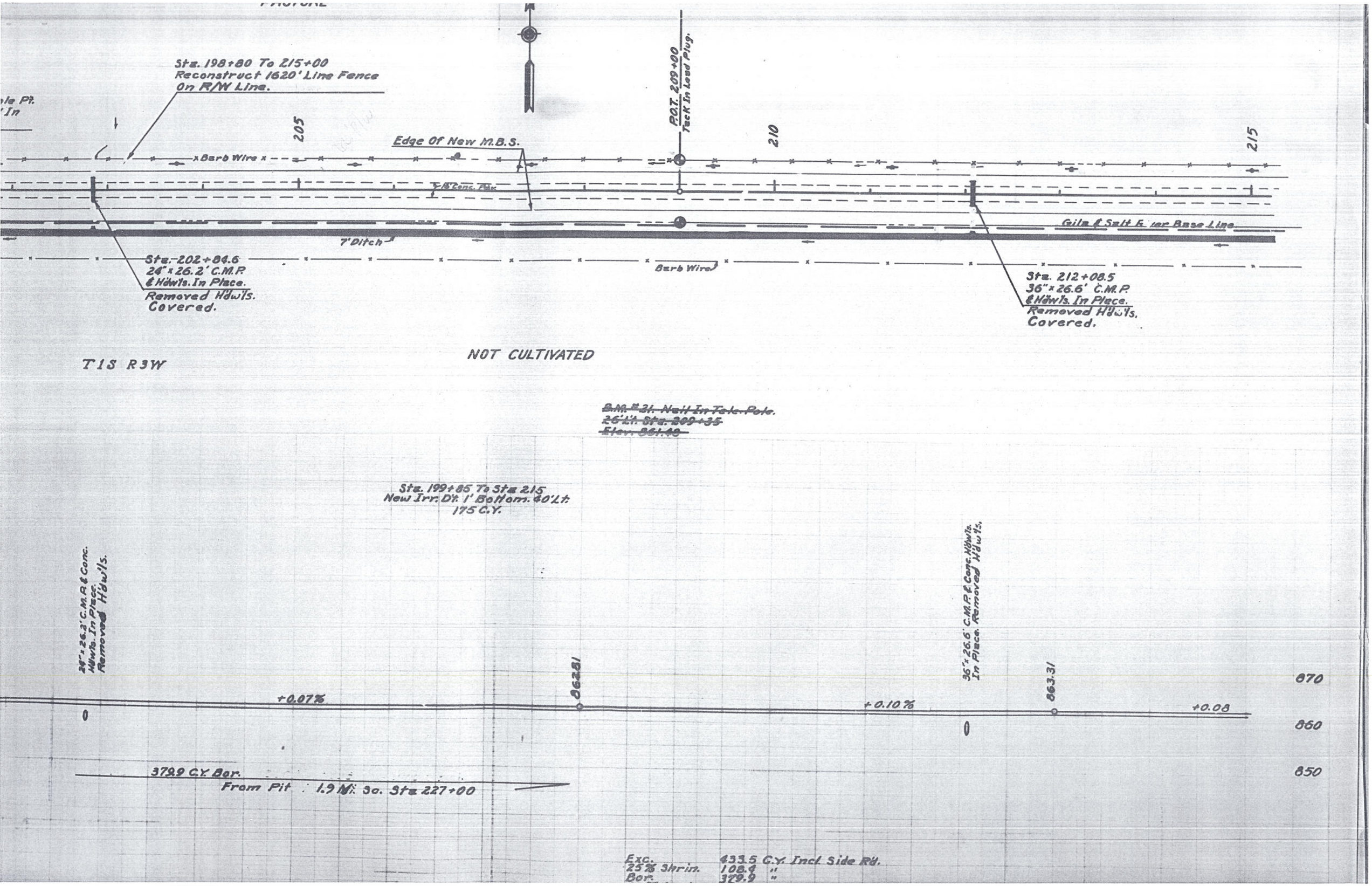
870
860
850

Remove Pave.
300 Y.C.

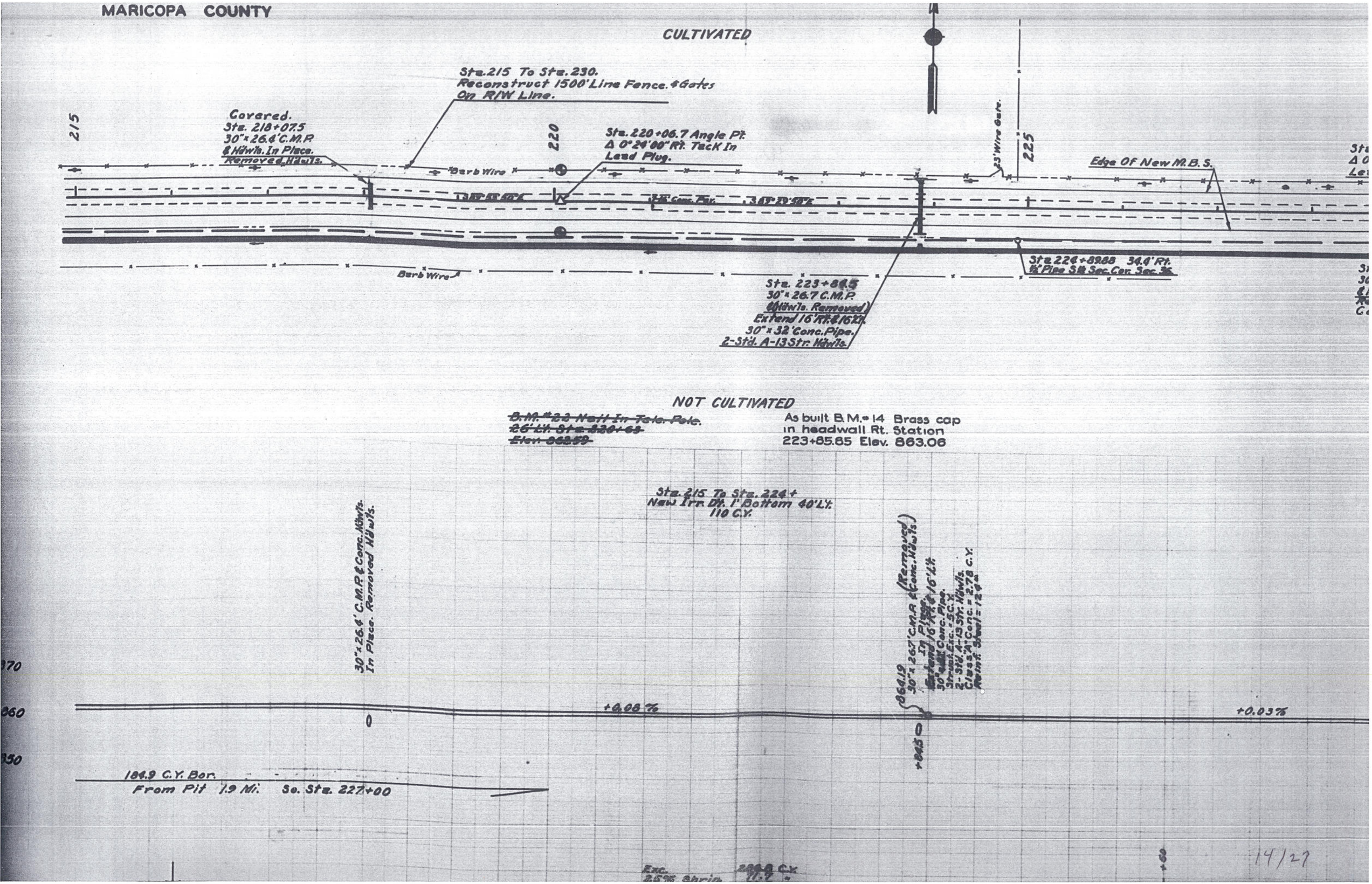
532.0 C.Y. Bor.
From Pit 1.3 Mi. So. Sta. 227+00

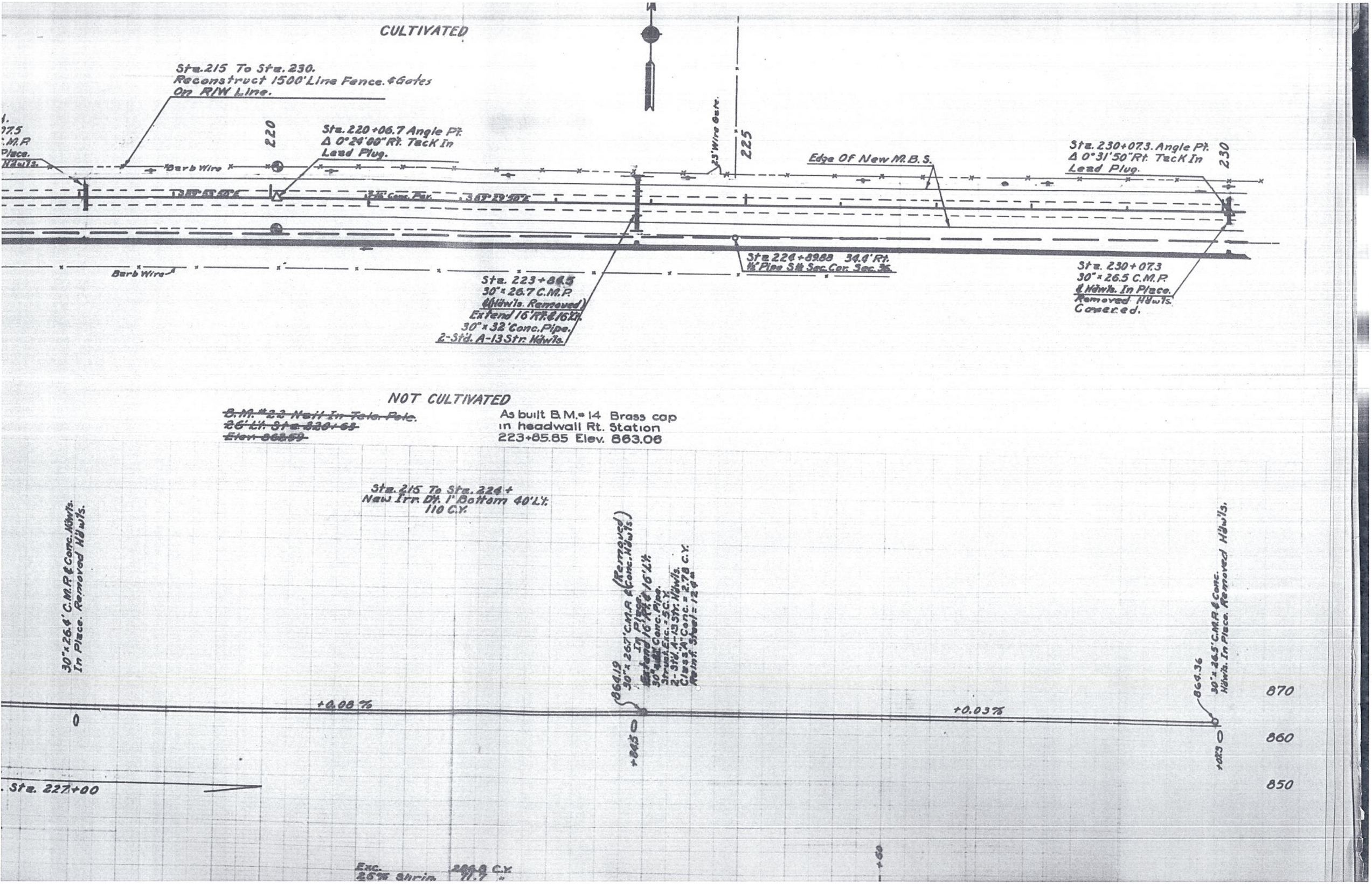
Exc. 1298.5 C.Y. Incl. Side Rd.


MARICOPA COUNTY.
PASTURE
Sta. 198+80 To 215+00
Reconstruct 1620' Line Fence
On R/W Line.
Sta. 200+09.54 Angle Pt.
Δ 0° 25' 50" Rt. Tack In
Lead Plug.
200
205
210
Edge Of New M.B.S.
P.O.T. 209+00
Tack In Lead Plug.
Barb Wire
7' Ditch
Sta. 202+84.6
24" x 26.2' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
Barb Wire
Sta. 212+
36" x 26.6
& Hdwls. In
Remove
Covere
NOT CULTIVATED
T1S R3W
2/11
1/12
B.M. #21. Nail In Tele. Pole.
26' Lt. Sta. 209+35
Elev. 861.48
C.O. #5
35' Rt. 200+10
New Reset 32' of 24" Conc. Pipe Reinf.
Sta. 199+85 To Sta 215
New Irr. Dt. 1' Bottom. 40' Lt.
175 C.Y.
24" x 26.2' C.M.P. & Conc.
Hdwls. In Place.
Removed Hdwls.
36" x 26.6' C.M.P. & Conc. Hdwls.
In Place. Removed Hdwls.
862.35
862.81
863.31
-0.22%
+0.07%
+0.10%
0
0
379.9 C.Y. Bor.
From Pit 1.9 Mi. So. Sta 227+00
Exc.
25% Shrin.
433.5 C.Y. Incl. Side Rd.
13/27

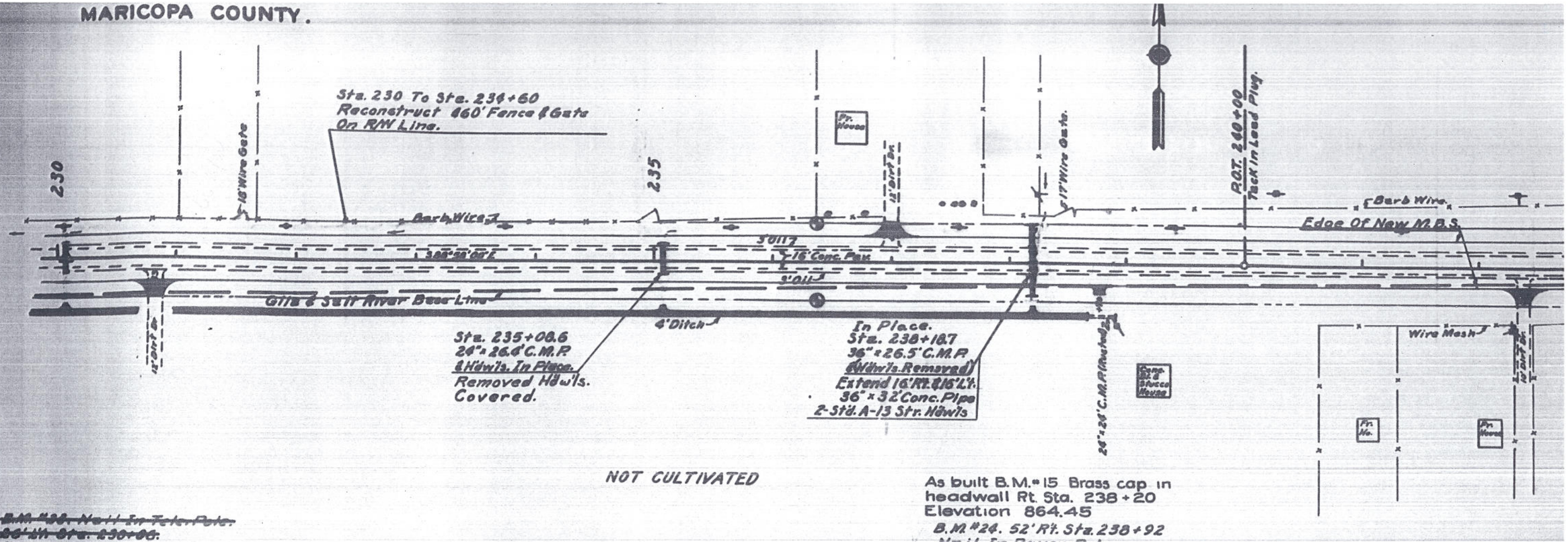


Sta. 198+80 To 215+00
Reconstruct 1620' Line Fence
On R/W Line.
205
Edge Of New M.B.S.
P.O.T. 209+00
Tack In Lead Plug.
210
215
Barb Wire
Gila & Salt River Base Line
7' Ditch
Sta. 202+84.6
24" x 26.2' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
Barb Wire
Sta. 212+08.5
36" x 26.6' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
T1S R3W
NOT CULTIVATED
B.M. #31. Nail In Tele. Pole.
26' Lt. Sta. 209+35
Elev. 861.48
Sta. 199+85 To Sta 215
New Irr. Dt. 1' Bottom. 40' Lt.
175 C.Y.
24" x 26.2' C.M.P. & Conc.
Hdwls. In Place.
Removed Hdwls.
36" x 26.6' C.M.P. & Conc. Hdwls.
In Place. Removed Hdwls.
862.81
863.31
+0.07%
+0.10%
+0.08
0
0
870
860
850
379.9 C.Y. Bor.
From Pit 1.9 Mi. So. Sta 227+00
Exc. 433.5 C.Y. Incl. Side Rd.
25% Shrin. 108.4 "
Bor. 379.9 "


MARICOPA COUNTY
CULTIVATED
Sta. 215 To Sta. 230.
Reconstruct 1500' Line Fence. & Gates
On R/W Line.
215
Covered.
Sta. 218+07.5
30" x 26.4' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
220
Sta. 220+06.7 Angle Pt.
Δ 0°24'00" Rt. Tack In
Lead Plug.
Barb Wire
23' Wire Gate.
225
Edge Of New M.B.S.
Barb Wire
Sta. 224+89.88 34.4' Rt.
½" Pipe S.W. Sec. Cor. Sec. 36.
Sta. 223+84.5
30" x 26.7 C.M.P.
(Hdwls. Removed)
Extend 16' Rt. & 16' Lt.
30" x 32' Conc. Pipe.
2-Std. A-13 Str. Hdwls.
NOT CULTIVATED
~~B.M. #22 Nail In Tele. Pole.~~
~~26' Lt. Sta. 220+63~~
~~Elev. 862.59~~
As built B.M. #14 Brass cap
in headwall Rt. Station
223+85.85 Elev. 863.06
Sta. 215 To Sta. 224+
New Irr. Dt. 1' Bottom 40' Lt.
110 C.Y.
30" x 26.4' C.M.P. & Conc. Hdwls.
In Place. Removed Hdwls.
864.19
30" x 26.7' C.M.P. & Conc. Hdwls.
(Removed)
In Place.
Extend 16' Rt. & 16' Lt.
30" x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdwls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 124#
+0.08 %
+0.03 %
0
+84.5
0
184.9 C.Y. Bor.
From Pit 1.9 Mi. So. Sta. 227+00
14/27


CULTIVATED
Sta. 215 To Sta. 230.
Reconstruct 1500' Line Fence. & Gates
On R/W Line.
220
Sta. 220+06.7 Angle Pt.
Δ 0°24'00" Rt. Tack In
Lead Plug.
Barb Wire
225
Edge Of New M.B.S.
Sta. 230+07.3. Angle Pt.
Δ 0°31'50" Rt. Tack In
Lead Plug.
230
Barb Wire
Sta. 224+89.88 34.4' Rt.
½" Pipe Sth Sec. Cor. Sec. 36.
Sta. 223+84.5
30" x 26.7 C.M.P.
(Hdwls. Removed)
Extend 16' Rt. & 16' Lt.
30" x 32' Conc. Pipe.
2-Std. A-13 Str. Hdwls.
Sta. 230+07.3
30" x 26.5 C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
NOT CULTIVATED
~~B.M. #22 Nail In Tele. Pole.~~
~~26' Lt. Sta. 220+63~~
~~Elev. 862.59~~
As built B.M. #14 Brass cap
in headwall Rt. Station
223+85.85 Elev. 863.06
Sta. 215 To Sta. 224+
New Irr. Dt. 1' Bottom 40' Lt.
110 C.Y.
30" x 26.4' C.M.P. & Conc. Hdwls.
In Place. Removed Hdwls.
864.19
30" x 26.7' C.M.P. & Conc. Hdwls.
(Removed)
In Place.
Extend 16' Rt. & 16' Lt.
30" x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdwls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 124#
864.36
30" x 26.5' C.M.P. & Conc.
Hdwls. In Place. Removed Hdwls.
+0.08%
+0.03%
0
+84.5
+0.03
870
860
850
Sta. 227+00
Exc. 286.8 C.Y.
25% Shrin. 71.7 "

MARICOPA COUNTY.



NOT CULTIVATED

~~B.M. #23. Nail In Tele. Pole.~~
~~26' Rt. Sta. 230+06.~~
~~Elev. 863.33~~

Rt. Sta. 230+81 M.B. Turnout
12' x 13'. 15' R. 28 S.Y.

Sta. 230+10 To Sta. 236+
New Irr. Dt. 1' Bottom 60' Lt.
75 C.Y.

As built B.M. #15 Brass cap in
headwall Rt. Sta. 238+20
Elevation 864.45

B.M. #24. 52' Rt. Sta. 238+92
Nail In Power Pole.
Elev. 864.89

Lt. Sta. 237+00 M.B. Turnout
12' x 13' 15' R. 28 S.Y.

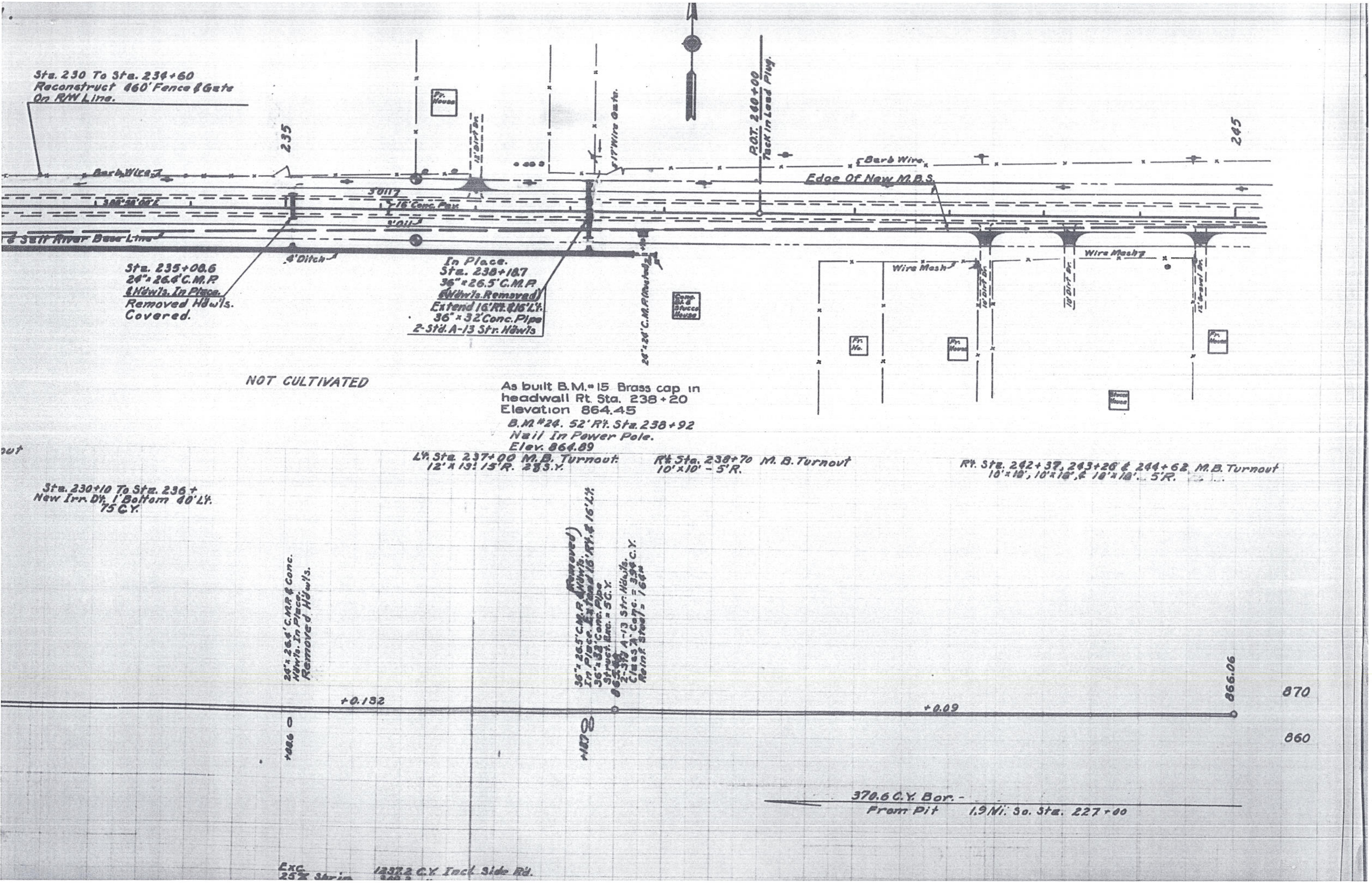
Rt. Sta. 238+70 M.B. Turnout
10' x 10' - 5' R.

Rt. Sta. 2
10' x 1

370.6 C.Y. Bor. -
From Pit 1.9 Mi.

Exc. 1237.2 C.Y. Incl. Side Rd.

15/27



Sta. 230 To Sta. 234+60
Reconstruct 460' Fence & Gate
On R/W Line.
235
245
Barb Wire
Barb Wire
Edge Of New M.B.S.
P.O.T. 240+00
Tack In Lead Plug.
17' Wire Gate
12' Dirt Dr.
16' Conc. Pav.
3'011
3'011
Salt River Base Line
4' Ditch
Sta. 235+08.6
24"x26.4' C.M.P.
& Hdw'ls. In Place.
Removed Hdw'ls.
Covered.
In Place.
Sta. 238+18.7
36"x26.5' C.M.P.
& Hdw'ls. Removed
Extend 16' Rt. & 16' Lt.
36"x32' Conc. Pipe
2-Std. A-13 Str. Hdw'ls
24"x24' C.M.P. (Rusted)
Wire Mesh
Wire Mesh
10' Dirt Dr.
10' Dirt Dr.
12' Gravel Dr.
Fr. No.
Fr. House
Fr. House
Fr. House
Stucco House
NOT CULTIVATED
As built B.M.#15 Brass cap in
headwall Rt. Sta. 238+20
Elevation 864.45
B.M.#24. 52' Rt. Sta. 238+92
Nail In Power Pole.
Elev. 864.89
Lt. Sta. 237+00 M.B. Turnout.
12'x13'. 15'R. 28 S.Y.
Rt. Sta. 238+70 M.B. Turnout
10'x10' - 5'R.
Rt. Sta. 242+37, 243+26 & 244+62 M.B. Turnout
10'x10', 10'x10', & 10'x10'. 5'R.
Sta. 230+10 To Sta. 236+
New Irr. Dt. 1' Bottom 40' Lt.
75 C.Y.
24"x26.4' C.M.P. & Conc.
Hdw'ls. In Place.
Removed Hdw'ls.
36"x26.5' C.M.P. & Hdw'ls.
In Place. Extend 16' Rt. & 16' Lt.
36"x32' Conc. Pipe
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdw'ls.
Class "A" Conc. = 3.94 C.Y.
Reinf. Steel = 164#
+0.132
+0.09
866.06
870
860
370.6 C.Y. Bor. -
From Pit 1.9 Mi. So. Sta. 227+00
Exc.
25% Shrin.
1237.2 C.Y. Incl. Side Rd.

PHOENIX - YUMA HWY.

BUCKEYE - LIBERTY.

MARICOPA COUNTY.

25 / 36 — 30 / 31

T1N R3W

T1N R2W

CULTIVATED

NOT CULTIVATED

245

250

255

Approx. Range Line.

20' Dirt Rd.

I.P. Witness Cor. U.S.G.L.O.S. 1931.

Fr. House.

10' Dirt Dr.

Barb Wire

3 Strand

16' Conc. R.

3 Strand

Barb Wire

S89°49'00"E

S89°49'00"E

Edge Of New M.B.S.

Sta. 248+93.4
6'x3.5'x25.7' Conc.
Box Culv. In Place.
Remove Top Slab
And Fill In.

12' Gravel Dr.

New A-33 Mon. & Cover.
Sta. 251+29.54 Sec. Cor.
& Angle Pt. Δ 0°51'00" Lt.
½" Pipe In Lead Plug.

In Place,
Sta. 252+10
60" x 40.2 C.M.P.
(Wdwls. Removed)

Fr. House

Extend 40' Lt. & Rt. Sta. 252+93.76
48"x30' Re. Conc. Closing Corner.
Pipe. X In Pave.

New A-33 Mon. & Cover

30' Dirt Rd.

I.P. Witness Cor. U.S.G.L.O.S. 1931.

CULTIVATED

1 / 12 — 6 / 7

B.M. #25. Nail In Power Pole.
63.5 Lt. Sta. 250+53
Elev. 865.74

Rt. Sta. 249+26.5 M.B. Turnout
12'x13'.

Lt. Sta. 251+10 M.B. Turnout
31'x1#' 20'R.

Rt. Sta. 250+27 M.B. Turnout
8'x8'

Rt. Sta. 252+95 M.B. Turnout
20'x20'. 20'R.

Lt. Sta. 254+19 M.B. Turnout
10'x13'.

As built B.M.# 16 Brass c
in conc. 30' Rt. Sta. 25
Elevation 868.18

866.06

+0.18%

6'x3.5'x25.7' Conc. Box
Culv. In Place. Remove
Top Slab & Fill In.

866.87

+23.4

60"x40.2' C.M.P. (Remove
& Conc. Hdwls.)
In Place.
Extend 40' Lt. & Rt.
48"x30' Re. Conc. Pipe
Culvert Ball Bunker
Concrete Ball Bunker
Concrete Ball Bunker
Steel Stand - Hdwls.
Removed
Remove Old Concrete Block

+12

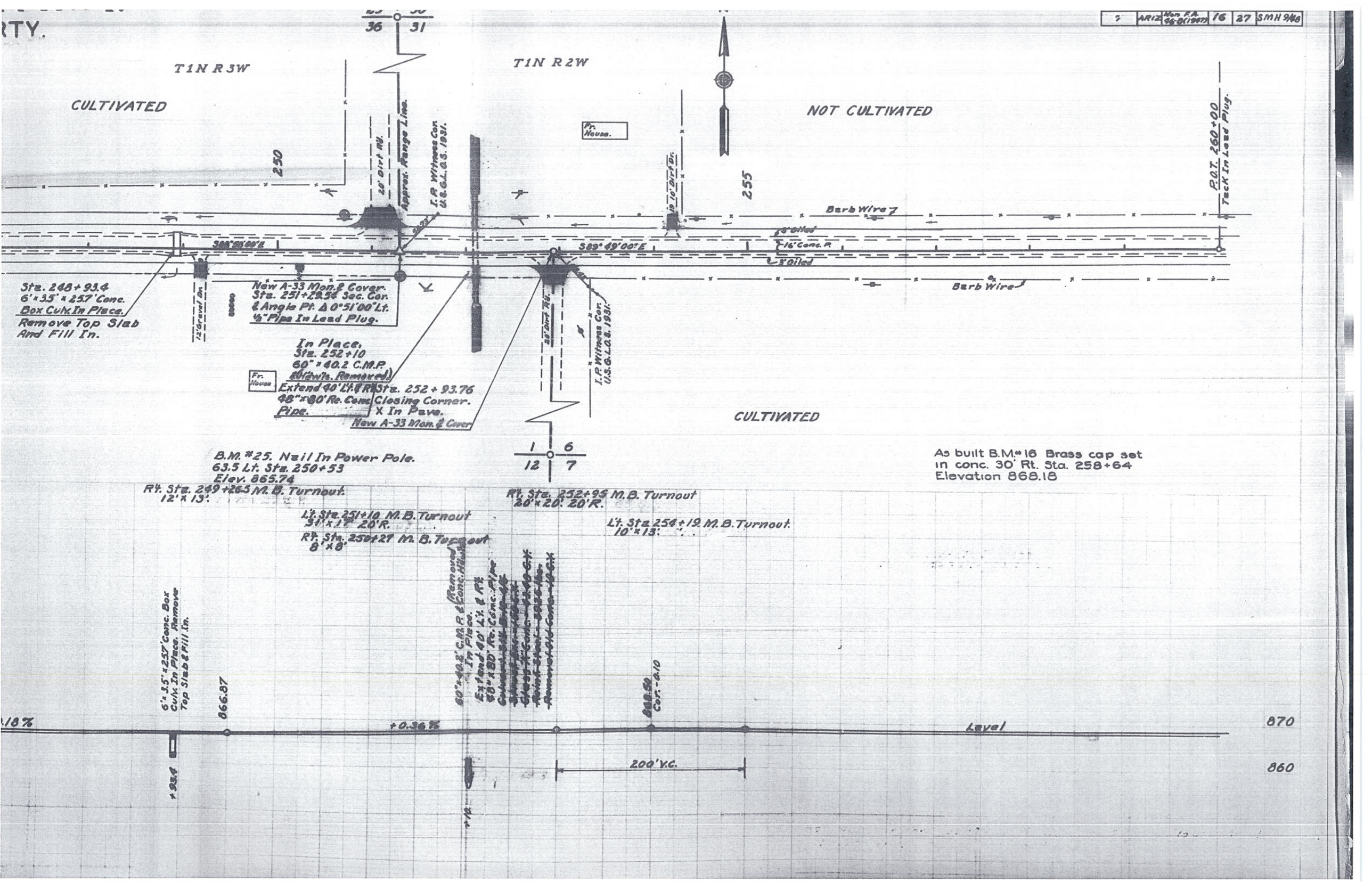
+0.36%

868.50
Cor. -2.10

Level

200' V.C.

16/27



RTY.
ARIZ Non F.A. 46-8(1947) 16 27 SMH 9/48
T1N R3W
T1N R2W
CULTIVATED
NOT CULTIVATED
CULTIVATED
250
255
36
31
1
6
12
7
Fr. House.
Fr. House
20' Dirt Rd.
Approx. Range Line.
I.P. Witness Cor. U.S.G.L.O.S. 1931.
19 10' Dirt Dr.
P.O.T. 260+00 Tack In Lead Plug.
Barb Wire
3' Oiled
16' Conc. P.
3' Oiled
S89°49'00"E
Sta. 248+93.4 6'x3.5'x25.7' Conc. Box Culv. In Place. Remove Top Slab And Fill In.
12' Gravel Dr.
New A-33 Mon. & Cover. Sta. 251+29.54 Sec. Cor. & Angle Pt. Δ 0°51'00" Lt. ½" Pipe In Lead Plug.
In Place. Sta. 252+10 60"x40.2 C.M.P. (Hdw'ls. Removed)
Extend 40' Lt. & Rt. 48"x80' Re. Conc. Pipe.
Sta. 252+93.76 Closing Corner. X In Pave.
New A-33 Mon. & Cover
20' Dirt Rd.
I.P. Witness Cor. U.S.G.L.O.S. 1931.
B.M. #25. Nail In Power Pole. 63.5 Lt. Sta. 250+53 Elev. 865.74
Rt. Sta. 249+26.5 M.B. Turnout. 12'x13'.
Lt. Sta. 251+10 M.B. Turnout 31'x17' 20'R.
Rt. Sta. 250+27 M.B. Turnout 8'x8'
Rt. Sta. 252+95 M.B. Turnout 20'x20' 20'R.
Lt. Sta. 254+19 M.B. Turnout. 10'x13'.
As built B.M. #16 Brass cap set in conc. 30' Rt. Sta. 258+64 Elevation 868.18
6'x3.5'x25.7' Conc. Box Culv. In Place. Remove Top Slab & Fill In.
866.87
+93.4
60"x40.2' C.M.P. & Conc. Hdw'ls. (Removed) In Place.
Extend 40' Lt. & Rt. 48"x80' Re. Conc. Pipe
868.50 Cor.-0.10
+0.36%
Level
870
860
200' V.C.

MARICOPA COUNTY.

P.O.T. 260+00
Tack In Lead Plug.

I.P. Witness Cor.
U.S.G.L.O. 1931

16' Wire Gate

265

P.O.T. 269+00
Tack In Lead Plug.

270

Sta. 260+08.8
30"x 26.5 C.M.P.
& Hdw'ls. In Place.
Removed Hdw'ls.
Covered.

Sta. 264+59.14
X In Pave. 07 North
Of ℄. S.W. Cor. Tract 46.

Edge Of New M.B.S.

B.M. #26. Nail In Tele. Pole.
34' Lt. Sta. 260+09
Elev. 867.63.

B.M. #27. Nail In Power Pole.
38' Rt. Sta. 269+80.
Elev. 870.25.

30"x 26.5' C.M.P. & Conc.
Hdw'ls. In Place.
Removed Hdw'ls.

870

860

+00.0

Level

860.50

+0.18%

869.50

Level

428.9 C.Y. Bor. from 1.9 Mi. S. Sta. 227

17/27

Exc. 912.5 C.Y.

TY.

I.R. Witness Cor. U.S.G.L.O. 1931

16' Wire Gate.

265

P.O.T. 269+00 Tack In Lead Plug.

270

275

Sta. 264+59.14
X In Pave. 07 North
Of ℄. S.W. Cor. Tract 46.

Edge Of New M.B.S.

B.M. #27. Nail In Power Pole.
38' Rt. Sta. 269+80.
Elev. 870.25.

Level

860.50

+0.18%

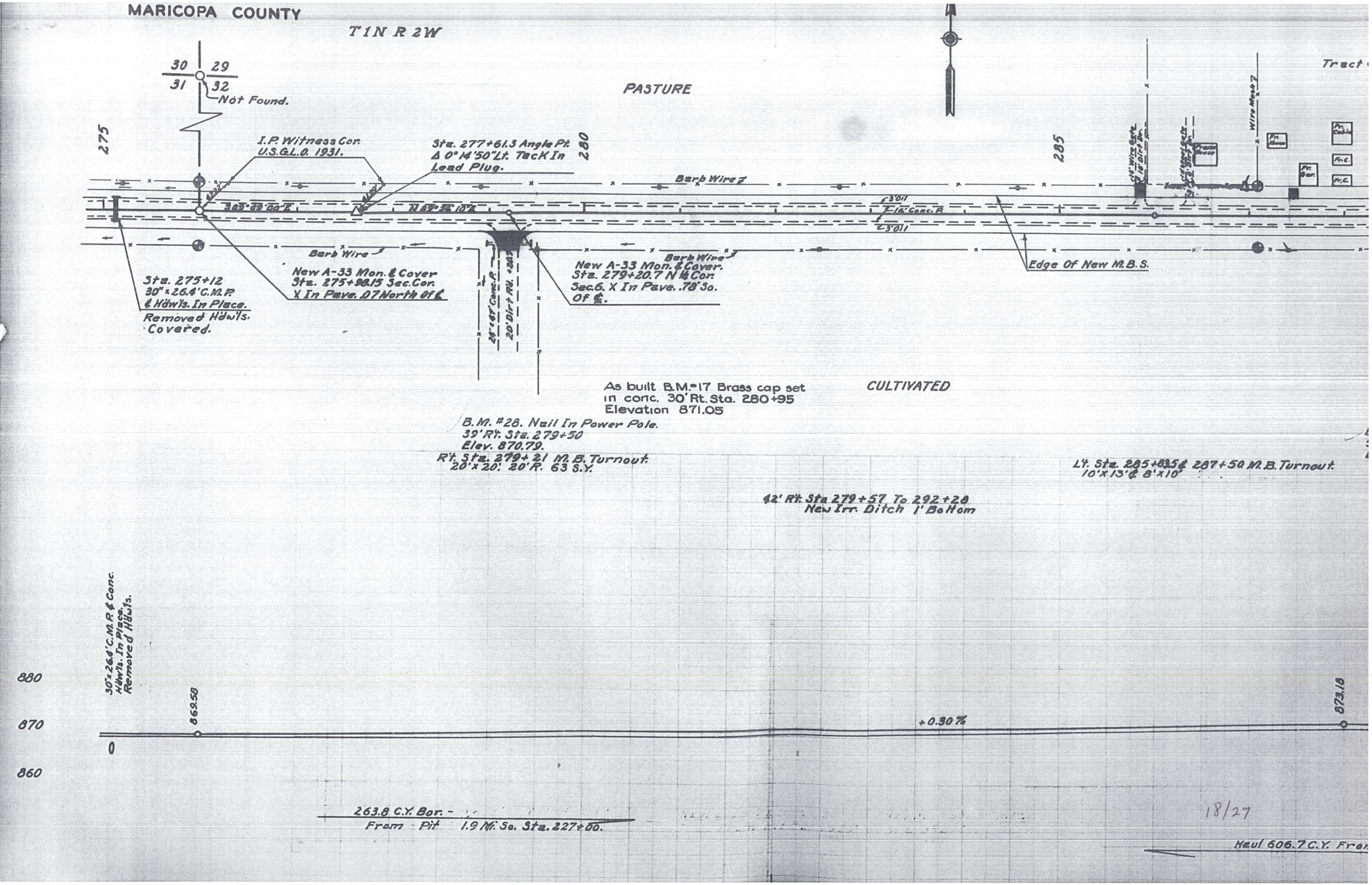
869.59

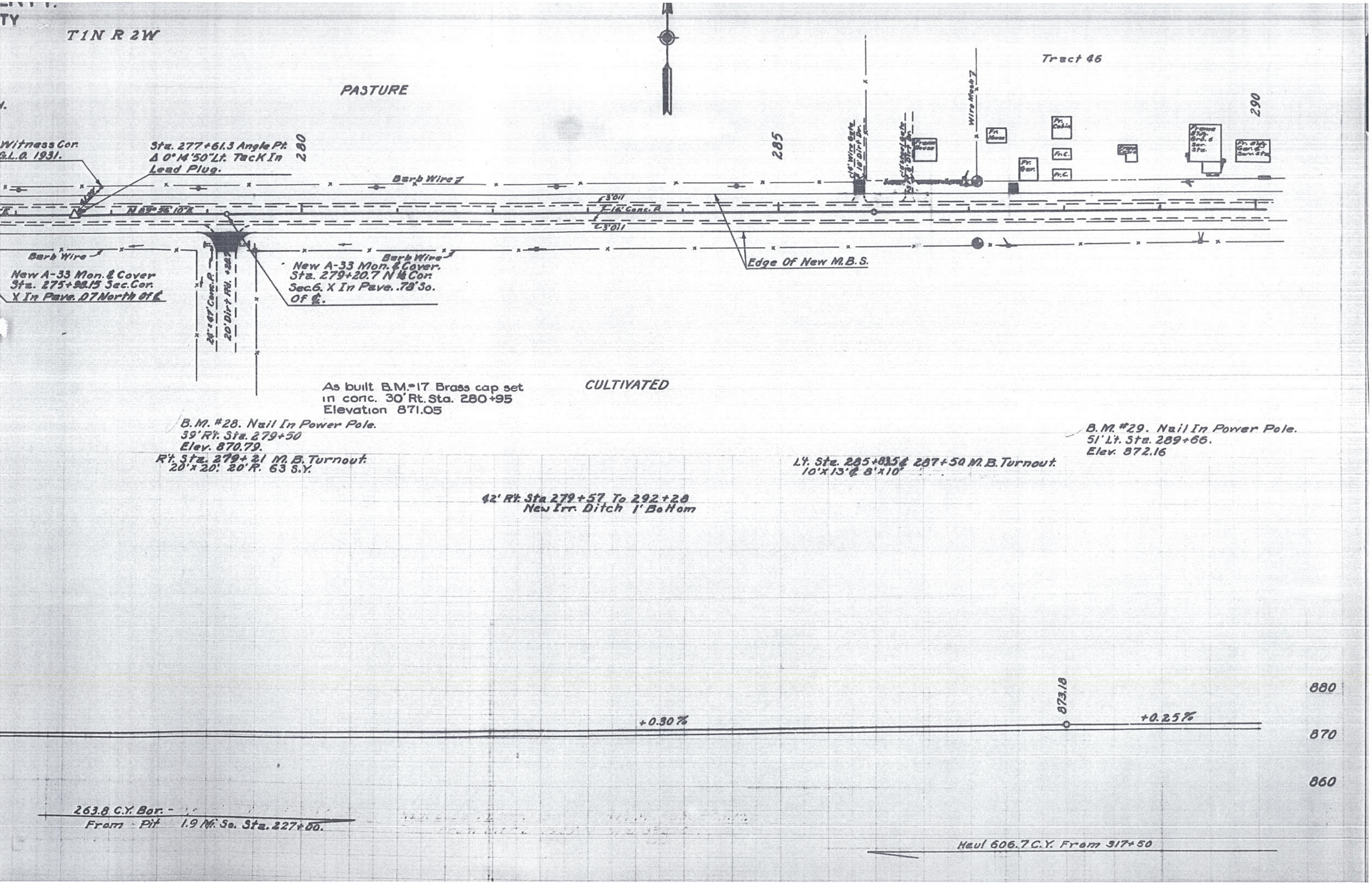
Level

870

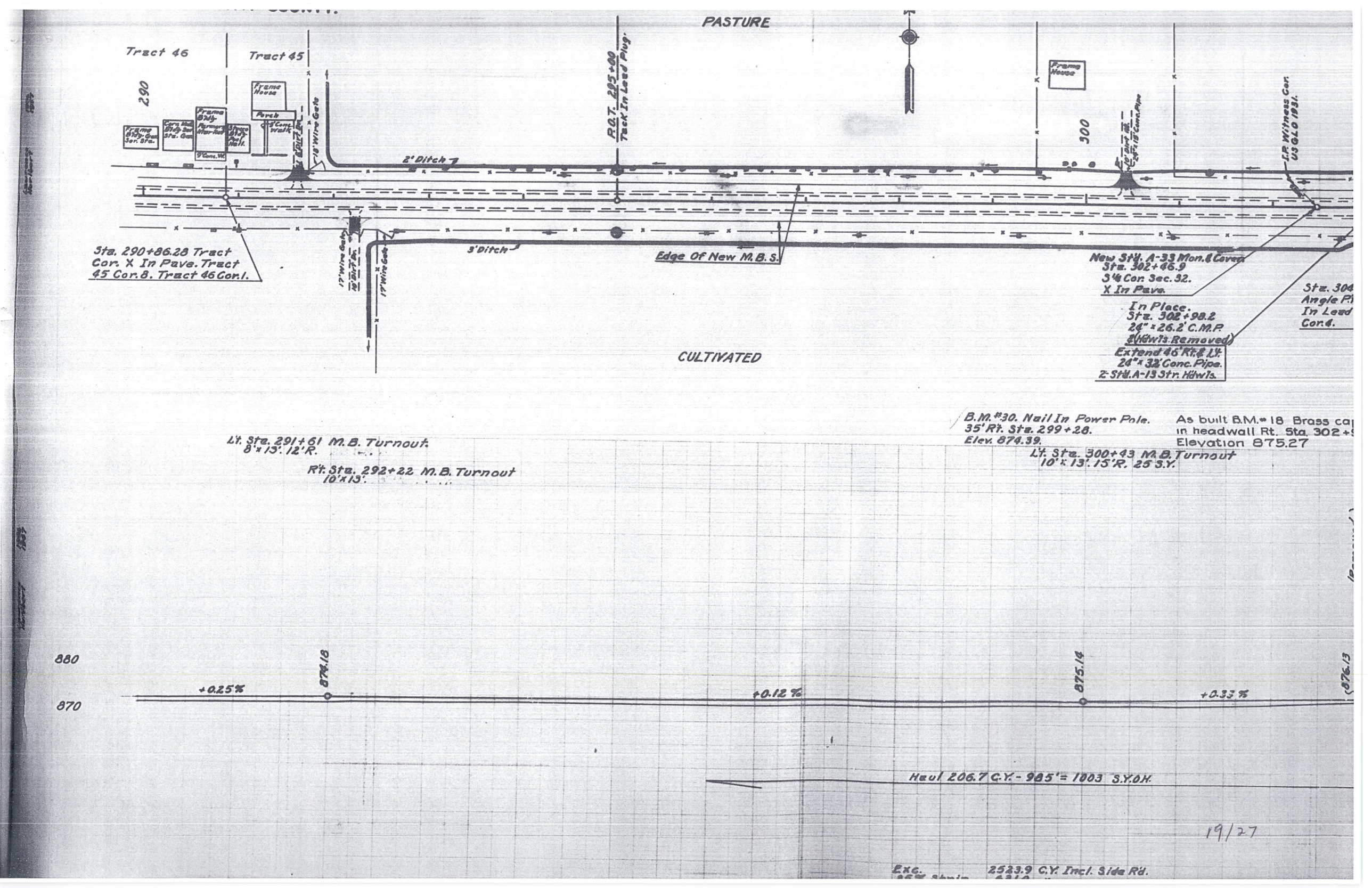
860

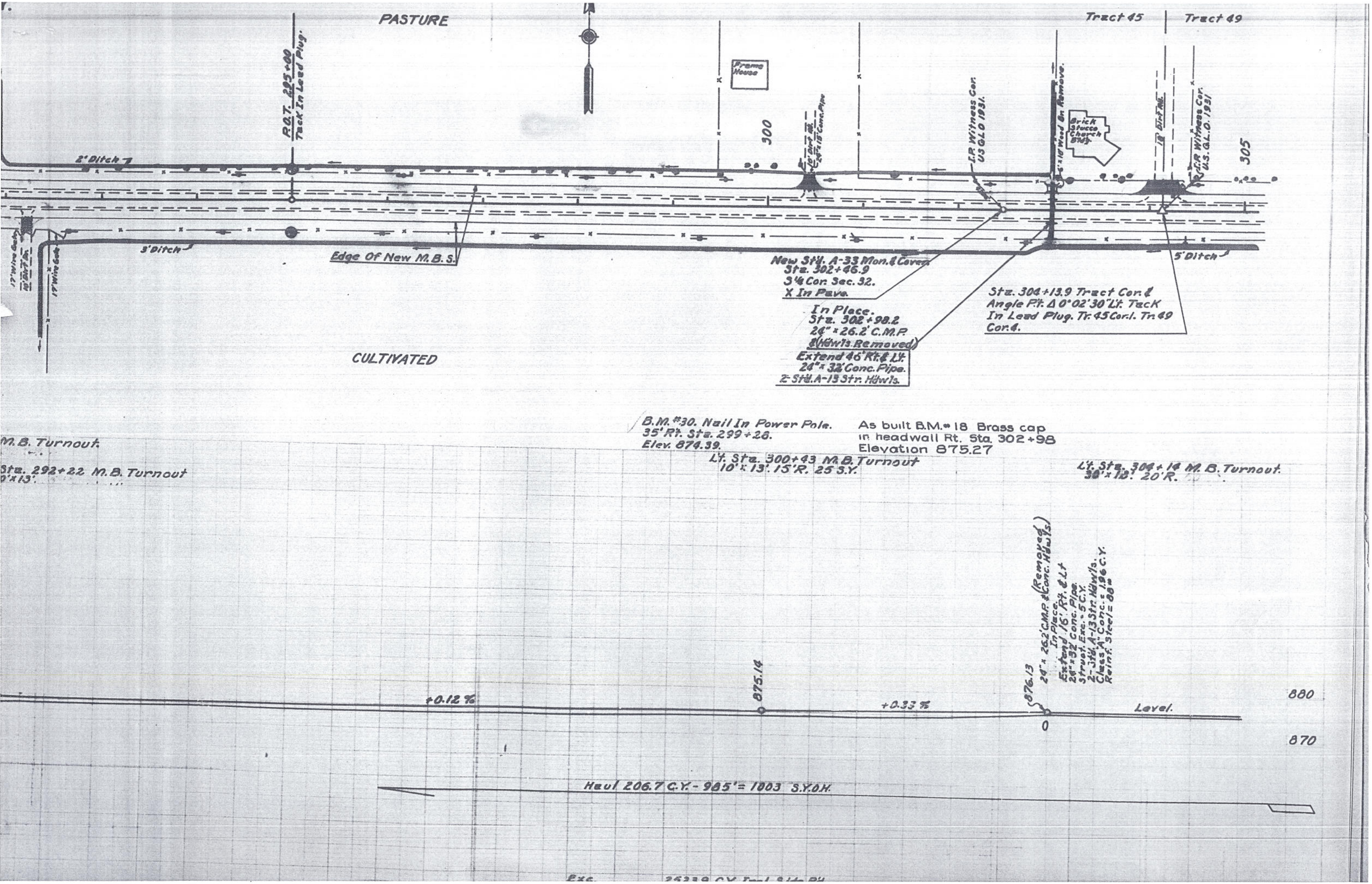
912.5 C.Y.

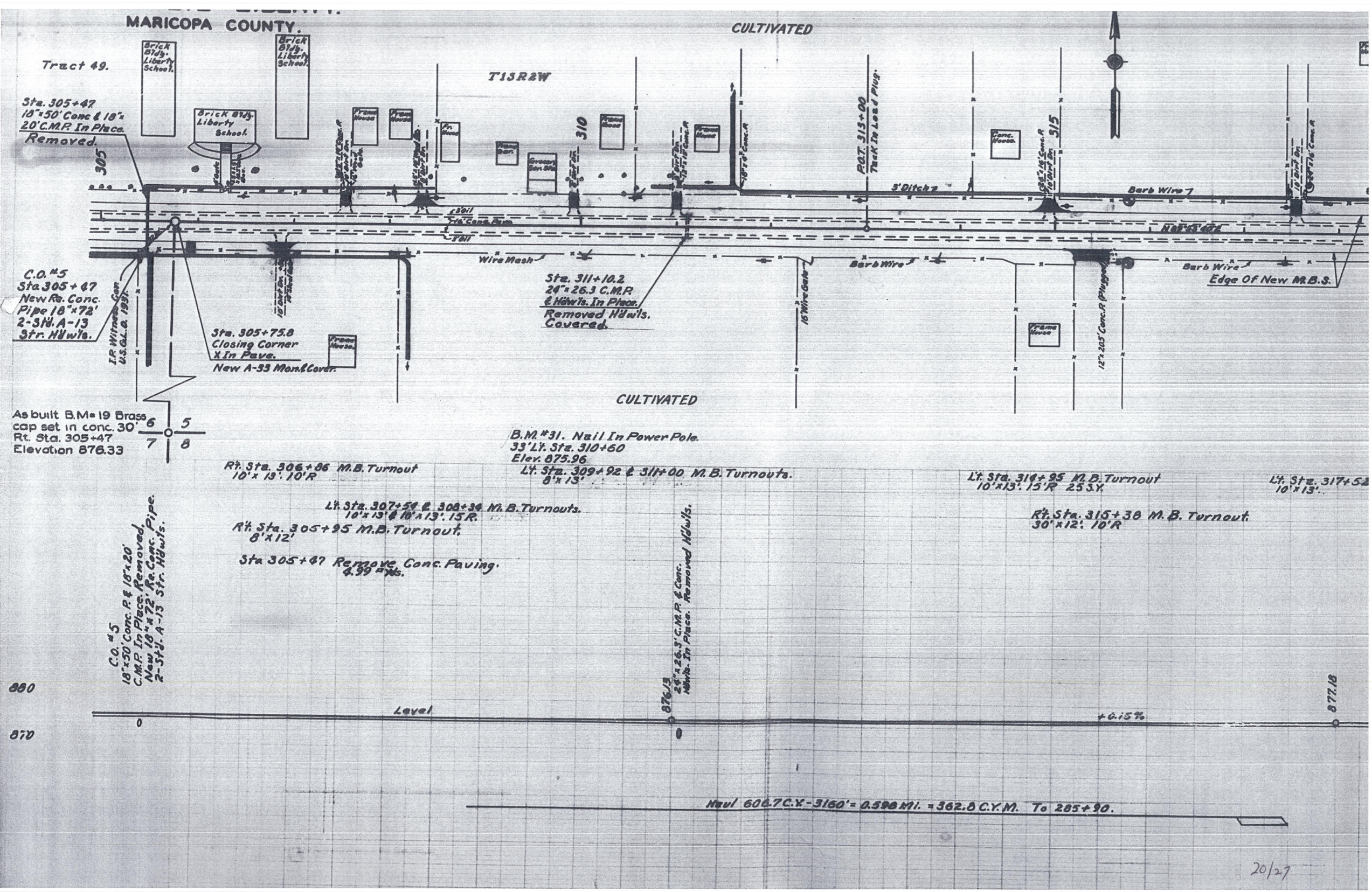

MARICOPA COUNTY
T1N R2W
30
29
31
32
Not Found.
PASTURE
275
280
285
I.P. Witness Cor. U.S.G.L.O. 1931.
Sta. 277+61.3 Angle Pt. Δ 0°14'50" Lt. Tack In Lead Plug.
Barb Wire
Barb Wire
Barb Wire
Sta. 275+12 30"x26.4' C.M.P. & Hdw'ls. In Place. Removed Hdw'ls. Covered.
New A-33 Mon. & Cover Sta. 275+98.15 Sec. Cor. X In Pave. .07 North of ℄
New A-33 Mon. & Cover. Sta. 279+20.7 N ¼ Cor. Sec. 6. X In Pave. .78' So. of ℄.
Edge Of New M.B.S.
Wire Mesh
Tract
As built B.M. #17 Brass cap set in conc. 30' Rt. Sta. 280+95 Elevation 871.05
CULTIVATED
B.M. #28. Nail In Power Pole. 39' Rt. Sta. 279+50 Elev. 870.79.
Rt. Sta. 279+21 M.B. Turnout. 20'x20'. 20' R. 63 S.Y.
Lt. Sta. 285+83.5 & 287+50 M.B. Turnout. 10'x13' & 8'x10'
42' Rt. Sta 279+57 To 292+28 New Irr. Ditch 1' Bottom
30"x26.4' C.M.P. & Conc. Hdw'ls. In Place. Removed Hdw'ls.
880
870
860
869.58
873.18
+0.30%
0
263.8 C.Y. Bor. - From Pit 1.9 Mi. So. Sta. 227+00.
18/27
Haul 606.7 C.Y. From



T1N R 2W
PASTURE
Tract 46
Witness Cor. G.L.O. 1931.
Sta. 277+61.3 Angle Pt. Δ 0°14'50" Lt. Tack In Lead Plug.
280
285
290
Barb Wire
Wire Mesh
Fr. House
Fr. Cabin
Fr. C.
Fr. Gar.
3'011
16' Conc. P.
Barb Wire
New A-33 Mon. & Cover Sta. 275+98.15 Sec. Cor. X In Pave. .07 North Of ℄
New A-33 Mon. & Cover. Sta. 279+20.7 N ¼ Cor. Sec. 6. X In Pave. .78' So. Of ℄.
Edge Of New M.B.S.
24'x47' Conc. P.
20' Dirt Rd.
As built B.M. #17 Brass cap set in conc. 30' Rt. Sta. 280+95 Elevation 871.05
CULTIVATED
B.M. #28. Nail In Power Pole. 39' Rt. Sta. 279+50 Elev. 870.79.
Rt. Sta. 279+21 M.B. Turnout. 20'x20'. 20' R. 63 S.Y.
B.M. #29. Nail In Power Pole. 51' Lt. Sta. 289+66. Elev. 872.16
Lt. Sta. 285+83.5 & 287+50 M.B. Turnout. 10'x13' & 8'x10'
42' Rt. Sta 279+57 To 292+28 New Irr. Ditch 1' Bottom
880
870
860
873.18
+0.30%
+0.25%
263.8 C.Y. Bor. - From Pit 1.9 Mi. So. Sta. 227+00.
Haul 606.7 C.Y. From 317+50

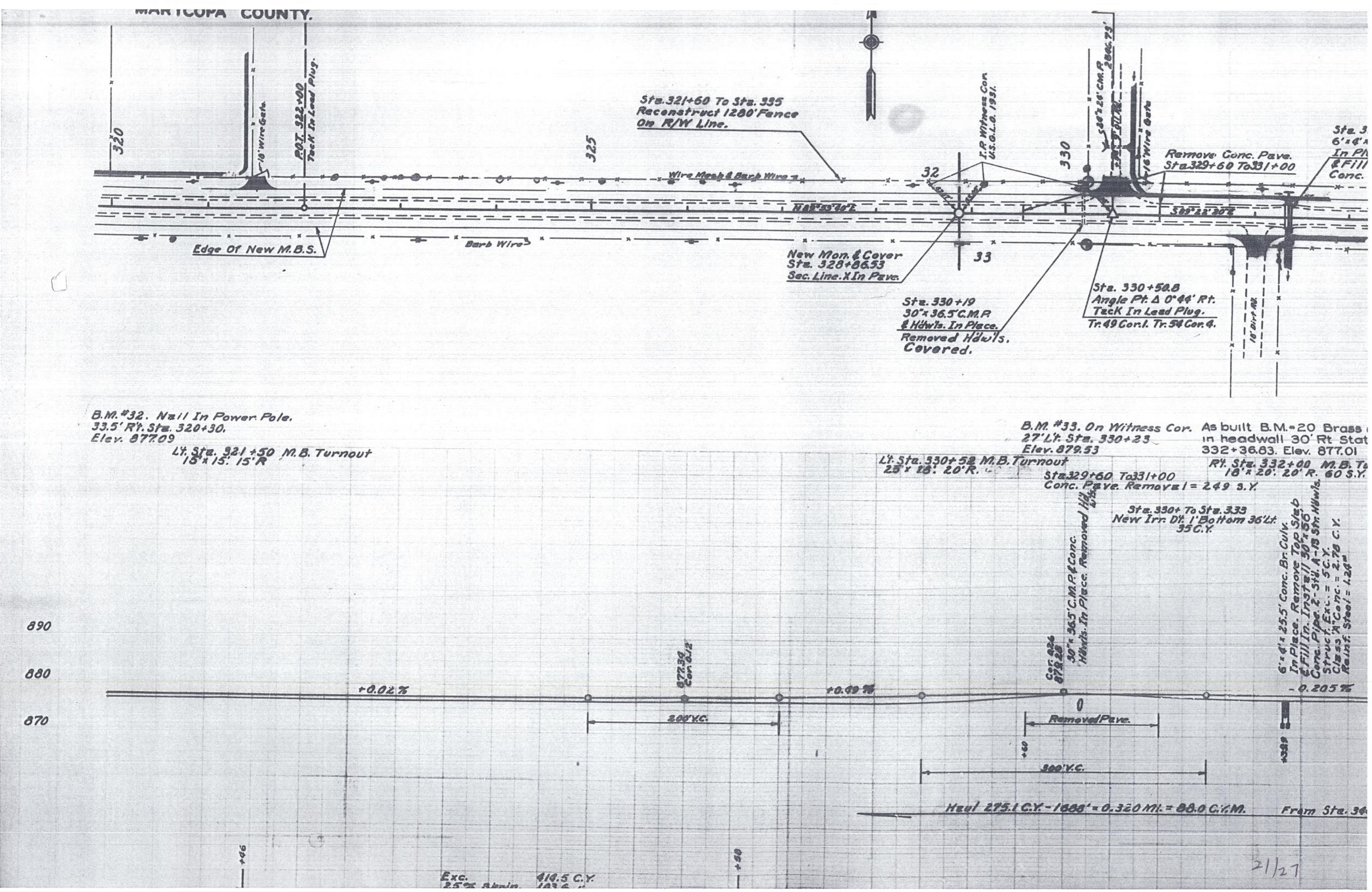

PASTURE
Tract 46
Tract 45
290
Frame House
Porch
Frame Bldg. Gas Ser. Sta.
Corn Hull Bldg. Ser. Sta. Gas
Frame Bldg. Farmers Market
Stone Bldg. Pool Hall
9' Conc. W.
5' Conc. Walk
18' Wire Gate
2' Ditch
P.O.T. 295+00 Tack In Lead Plug.
Frame House
300
10' Dirt Rd.
24"x18' Conc. Pipe
I.P. Witness Cor. US GLO 1931.
Sta. 290+86.28 Tract Cor. X In Pave. Tract 45 Cor. 8. Tract 46 Cor. 1.
17' Wire Gate
10' Dirt Dr.
17' Wire Gate
3' Ditch
Edge Of New M.B.S.
New Std. A-33 Mon. & Cover Sta. 302+46.9 S¼ Cor. Sec. 32. X In Pave.
In Place. Sta. 302+98.2 24"x26.2' C.M.P. 2 (Hdwls. Removed)
Extend 46' Rt. & Lt. 24"x32' Conc. Pipe. 2-Std. A-13 Str. Hdwls.
Sta. 304 Angle Pt. In Lead Cor. 4.
CULTIVATED
B.M. #30. Nail In Power Pole. 35' Rt. Sta. 299+28. Elev. 874.39.
As built B.M. #18 Brass ca in headwall Rt. Sta. 302+ Elevation 875.27
Lt. Sta. 291+61 M.B. Turnout. 8'x13'. 12'R.
Rt. Sta. 292+22 M.B. Turnout 10'x13'.
Lt. Sta. 300+43 M.B. Turnout 10'x13'. 15'R. 25 S.Y.
880
870
+0.25%
874.18
+0.12%
875.14
+0.33%
876.13
Haul 206.7 C.Y. - 985' = 1003 S.Y.O.H.
19/27
Exc. 2523.9 C.Y. Incl. Side Rd.

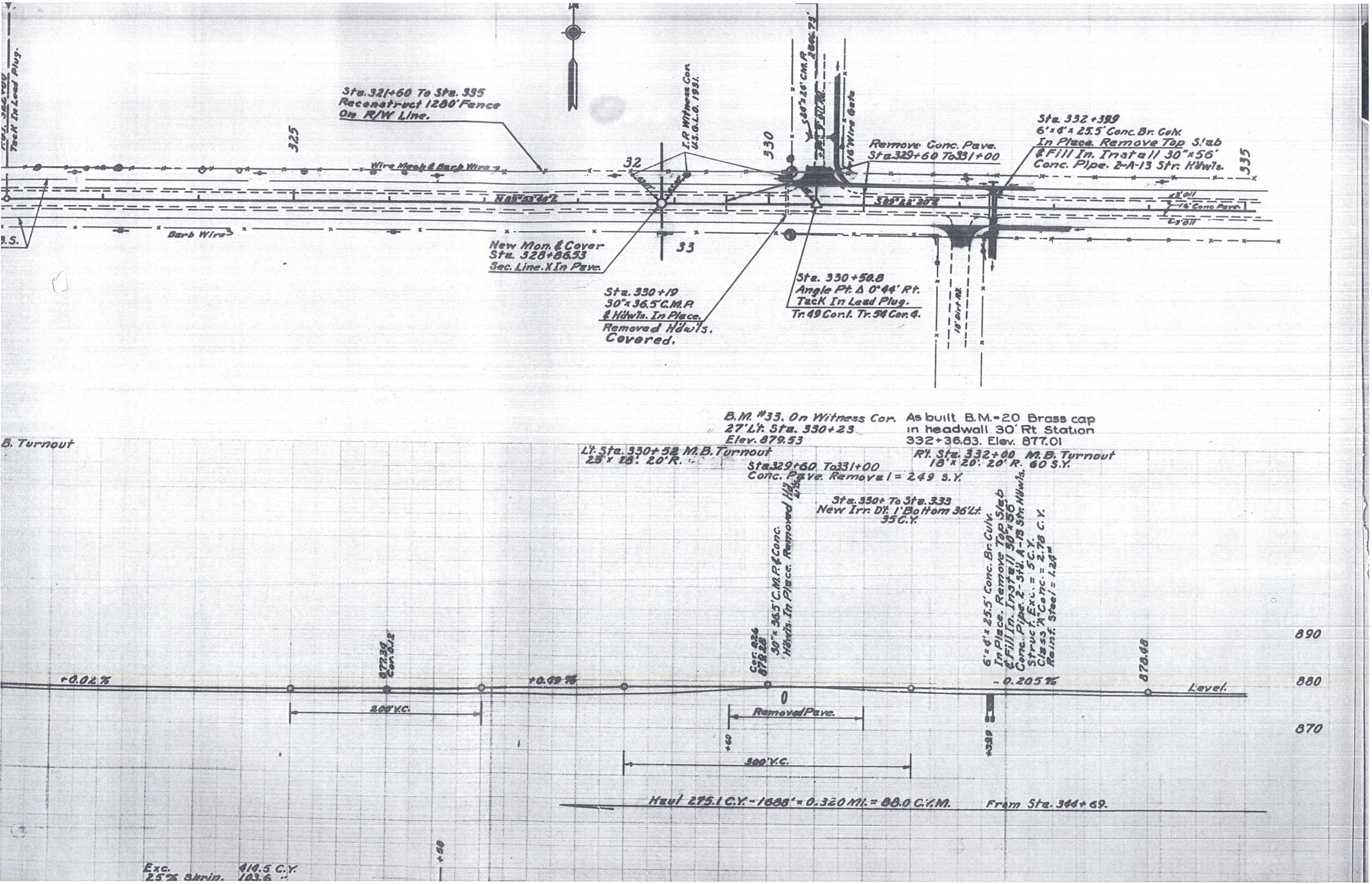

PASTURE
Tract 45
Tract 49
P.O.T. 295+00
Tack In Lead Plug.
Frame House
300
305
I.P. Witness Cor.
U.S.G.L.O. 1931.
Brick Stucco Church Bldg.
2' Ditch
3' Ditch
5' Ditch
Edge Of New M.B.S.
New Std. A-33 Mon. & Cover.
Sta. 302+46.9
3¼ Cor. Sec. 32.
X In Pave.
In Place.
Sta. 302+98.2
24" x 26.2' C.M.P.
& (Hdwls. Removed)
Extend 46' Rt. & Lt.
24" x 32' Conc. Pipe.
2-Std. A-13 Str. Hdwls.
Sta. 304+13.9 Tract Cor. &
Angle Pt. Δ 0°02'30" Lt. Tack
In Lead Plug. Tr. 45 Cor. 1. Tr. 49
Cor. 4.
CULTIVATED
B.M. #30. Nail In Power Pole.
35' Rt. Sta. 299+28.
Elev. 874.39.
As built B.M. #18 Brass cap
in headwall Rt. Sta. 302+98
Elevation 875.27
M.B. Turnout.
Sta. 292+22 M.B. Turnout
Lt. Sta. 300+43 M.B. Turnout
10' x 13'. 15' R. 25 S.Y.
Lt. Sta. 304+14 M.B. Turnout.
30' x 18'. 20' R.
24" x 26.2' C.M.P. & (Removed)
In Place.
Extend 16' Rt. & Lt.
24" x 32' Conc. Pipe.
Struct. Exc. = 5 C.Y.
2-Std. A-13 Str. Hdwls.
Class "A" Conc. = 1.96 C.Y.
Reinf. Steel = 88#
875.14
876.13
+0.12 %
+0.33 %
0
Level.
880
870
Haul 206.7 C.Y. - 985' = 1003 S.Y.O.H.


MARICOPA COUNTY.
CULTIVATED
Tract 49.
Brick Bldg. Liberty School.
Brick Bldg. Liberty School.
Brick Bldg. Liberty School.
T13R2W
Sta. 305+47
18"x50' Conc & 18"x
20' C.M.P. In Place.
Removed.
305
310
315
P.O.T. 313+00
Tack In Lead Plug.
3' Ditch
Barb Wire
Wire Mesh
Barb Wire
Barb Wire
Edge Of New M.B.S.
C.O. #5
Sta 305+47
New Re. Conc.
Pipe 18"x72'
2-Std. A-13
Str. Hdwls.
I.P. Witness Cor.
U.S.G.L.O. 1931.
Sta. 305+75.8
Closing Corner
X In Pave.
New A-33 Mon. & Cover.
Sta. 311+10.2
24"x26.3 C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
16' Wire Gate
12"x20.5' Conc. P. (Plugged)
CULTIVATED
As built B.M. = 19 Brass
cap set in conc. 30'
Rt. Sta. 305+47
Elevation 876.33
6
5
7
8
B.M. #31. Nail In Power Pole.
33' Lt. Sta. 310+60
Elev. 875.96
Rt. Sta. 306+86 M.B. Turnout
10'x13'. 10'R
Lt. Sta. 309+92 & 311+00 M.B. Turnouts.
8'x13'
Lt. Sta. 314+95 M.B. Turnout
10'x13'. 15'R 25 S.Y.
Lt. Sta. 317+52
10'x13'.
Lt. Sta. 307+54 & 308+34 M.B. Turnouts.
10'x13' & 10'x13'. 15R.
Rt. Sta. 305+95 M.B. Turnout.
8'x12'
Rt. Sta. 315+38 M.B. Turnout.
30'x12'. 10'R
Sta 305+47 Remove Conc. Paving.
4.99 Yds.
C.O. #5
18"x50' Conc. P. & 18"x20'
C.M.P. In Place. Removed.
New 18"x72' Re. Conc. Pipe.
2-Std. A-13 Str. Hdwls.
24"x26.3' C.M.P. & Conc.
Hdwls. In Place. Removed Hdwls.
880
870
Level
0
876.13
0
+0.15%
877.18
Haul 606.7 C.Y. - 3160' = 0.598 Mi. = 362.8 C.Y.M. To 285+90.

20/27

CULTIVATED
T13R2W
310
315
320
P.O.T. 313+00
Tack In Lead Plug
3' Ditch
Barb Wire
Frame House
Fr. House
Conc. House
Grocery
3' Soil
18' Conc. Pvm.
3' Soil
Wire Mesh
Sta. 311+10.2
24" x 26.3 C.M.P.
& Hdw'ls. In Place.
Removed Hdw'ls.
Covered.
16' Wire Gate
Barb Wire
12" x 20.5' Conc. P. (Plugged)
Barb Wire
Edge Of New M.B.S.
N 89°53'40" E
10' Dirt Dr.
24" x 16' Conc. P.
12' Wire Gate
Cover.
CULTIVATED
B.M. #31. Nail In Power Pole.
33' Lt. Sta. 310+60
Elev. 875.96
+86 M.B. Turnout
Lt. Sta. 309+92 & 311+00 M.B. Turnouts.
8' x 13'
Lt. Sta. 307+54 & 308+34 M.B. Turnouts.
10' x 13' & 10' x 13'. 15 R.
5+95 M.B. Turnout.
47 Remove Conc. Paving.
4.99 Sq. Yds.
Lt. Sta. 314+95 M.B. Turnout
10' x 13'. 15' R 25 S.Y.
Rt. Sta. 315+38 M.B. Turnout.
30' x 12'. 10' R
Lt. Sta. 317+52 M.B. Turnout
10' x 13'.
876.13
24" x 26.3' C.M.P. & Conc.
Hdw'ls. In Place. Removed Hdw'ls.
Level
+0.15%
877.18
+0.02 %
880
870
Haul 606.7 C.Y. - 3160' = 0.598 Mi. = 362.8 C.Y.M. To 285+90.


MARICOPA COUNTY.
320
18' Wire Gate
P.O.T. 322+00
Tack In Lead Plug.
325
Sta. 321+60 To Sta. 335
Reconstruct 1280' Fence
On R/W Line.
Wire Mesh & Barb Wire
32
I.P. Witness Cor.
U.S.G.L.O. 1931.
330
24"x24' C.M.P.
2866.73'
16' Wire Gate
Remove Conc. Pave.
Sta. 329+60 To 331+00
Sta. 3
6'x4'x
In Pl
& Fill
Conc.
N 89°53'40"E
S 89°22'20"E
Edge Of New M.B.S.
Barb Wire
New Mon. & Cover
Sta. 328+86.53
Sec. Line. X In Pave.
33
Sta. 330+19
30"x36.5' C.M.P.
& Hdw'ls. In Place.
Removed Hdw'ls.
Covered.
Sta. 330+50.8
Angle Pt. Δ 0°44' Rt.
Tack In Lead Plug.
Tr. 49 Cor. 1. Tr. 54 Cor. 4.
18' Dirt Rd.
B.M. #32. Nail In Power Pole.
33.5' Rt. Sta. 320+30.
Elev. 877.09
Lt. Sta. 321+50 M.B. Turnout
15'x15'. 15' R
B.M. #33. On Witness Cor.
27' Lt. Sta. 330+23
Elev. 879.53
As built B.M. #20 Brass
in headwall 30' Rt Stat
332+36.83. Elev. 877.01
Lt. Sta. 330+52 M.B. Turnout
25'x18'. 20' R.
Rt. Sta. 332+00 M.B. T
18'x20'. 20' R. 60 S.Y.
Sta. 329+60 To 331+00
Conc. Pave. Removal = 249 S.Y.
Sta. 330+ To Sta. 333
New Irr. Dt. 1' Bottom 36' Lt.
35 C.Y.
30"x36.5' C.M.P. & Conc.
Hdw'ls. In Place. Removed Hdw'ls.
6'x4'x25.5' Conc. Br. Culv.
In Place. Remove Top Slab
& Fill In. Install 30"x56'
Conc. Pipe. 2-Std. A-13 Str. Hdw'ls.
Struct. Exc. = 5 C.Y.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 1.24#
890
880
870
+0.02%
877.34
Cor. 0.12
+0.49%
Cor. 0.26
879.28
-0.205%
200' V.C.
Removal Pave.
+60
+329
300' V.C.
Haul 275.1 C.Y. - 1688' = 0.320 Mi. = 88.0 C.Y.M.
From Sta. 34
+46
+50
Exc.
25% Skrin.
414.5 C.Y.
21/27



Sta. 321+60 To Sta. 335
Reconstruct 1280' Fence
On R/W Line.
325
Wire Mesh & Barb Wire
32
I.P. Witness Cor.
U.S.G.L.O. 1931.
330
16' Wire Gate
Remove Conc. Pave.
Sta. 329+60 To 331+00
Sta. 332+39.9
6'x4'x25.5' Conc. Br. Culv.
In Place. Remove Top Slab
& Fill In. Install 30"x56'
Conc. Pipe. 2-A-13 Str. Hdwls.
335
N 89°53'40"E
S 89°22'20"E
3' Oil
16' Conc. Pave.
3' Oil
Barb Wire
33
New Mon. & Cover
Sta. 328+86.53
Sec. Line. X In Pave.
Sta. 330+19
30"x36.5' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.
Sta. 330+50.8
Angle Pt. Δ 0°44' Rt.
Tack In Lead Plug.
Tr. 49 Cor. 1. Tr. 54 Cor. 4.
18' Dirt Rd.
B.M. #33. On Witness Cor.
27' Lt. Sta. 330+23
Elev. 879.53
As built B.M.-20 Brass cap
in headwall 30' Rt Station
332+36.83. Elev. 877.01
B. Turnout
Lt. Sta. 330+52 M.B. Turnout
25' x 18'. 20' R.
Rt. Sta. 332+00 M.B. Turnout
18' x 20'. 20' R. 60 S.Y.
Sta. 329+60 To 331+00
Conc. Pave. Removal = 249 S.Y.
Sta. 330+ To Sta. 333
New Irr. Dt. 1' Bottom 36' Lt.
35 C.Y.
30"x36.5' C.M.P. & Conc.
Hdwls. In Place. Removed Hdwls.
6'x4'x25.5' Conc. Br. Culv.
In Place. Remove Top Slab
& Fill In. Install 30"x56'
Conc. Pipe. 2-Std. A-13 Str. Hdwls.
Struct. Exc. = 5 C.Y.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 1.24#
877.34
Cor. 0.12
Cor. 0.26
879.28
878.48
890
880
870
+0.02%
+0.49%
-0.205%
Level.
200' V.C.
Removed Pave.
+60
+39.9
300' V.C.
Haul 275.1 C.Y. - 1688' = 0.320 Mi. = 88.0 C.Y.M.
From Sta. 344+69.
+50
Exc. 414.5 C.Y.
25% Shrin. 103.6 "

MARICOPA COUNTY.

CULTIVATED

335

16' Wire Gate.

R.O.T. 339+00
Tack In Lead Plug.

340

Sta. 335 To Sta. 350
Reconstruct Fence & Gates
On R/W Line, 1425'

Barb Wire

345

P.O.T. 348+00

Edge Of New M.B.S.

Sta. 332+25 To 344+15
Reconstuct 1190' Fence
On R/W Line.

Sta. 344+16.7
30"x 26.3' C.M.P.
Extend 16' L. & R.
30"x 32' Conc. Pipe
2-Stl. A-13 Str. Hdw'ls.

CULTIVATED

B.M. #34. Nail In Power Pole.
30' Rt. Sta. 339+97
Elev. 878.74

As built BM= 21 Brass cap in
headwall Rt. Sta. 344+18
Elev. 878.14

Lt. Sta. 343+95 M.B. Turnout
10'x 13' 15'R. 25 S.Y.

Rt. Sta. 344+40 M.B. Turnout
10'x 13' 15'R. 25 S.Y.

Sta. 344 To 351
New Irr. Dt. 1' Bottom
36' Lf. 100 C.Y.

30"x 26.3' C.M.P. (Removed)
Extend 16' Rt. & Lt.
30"x 32' Conc. Pipe
Structural Exc. = 5 C.Y.
Backfill = 25 C.Y.
2-Stl. A-13 Hdw'ls.
Class A Conc. = 2.78 C.Y.
Reinf. Steel = 1.24 #

890

880

870

878.48

Level

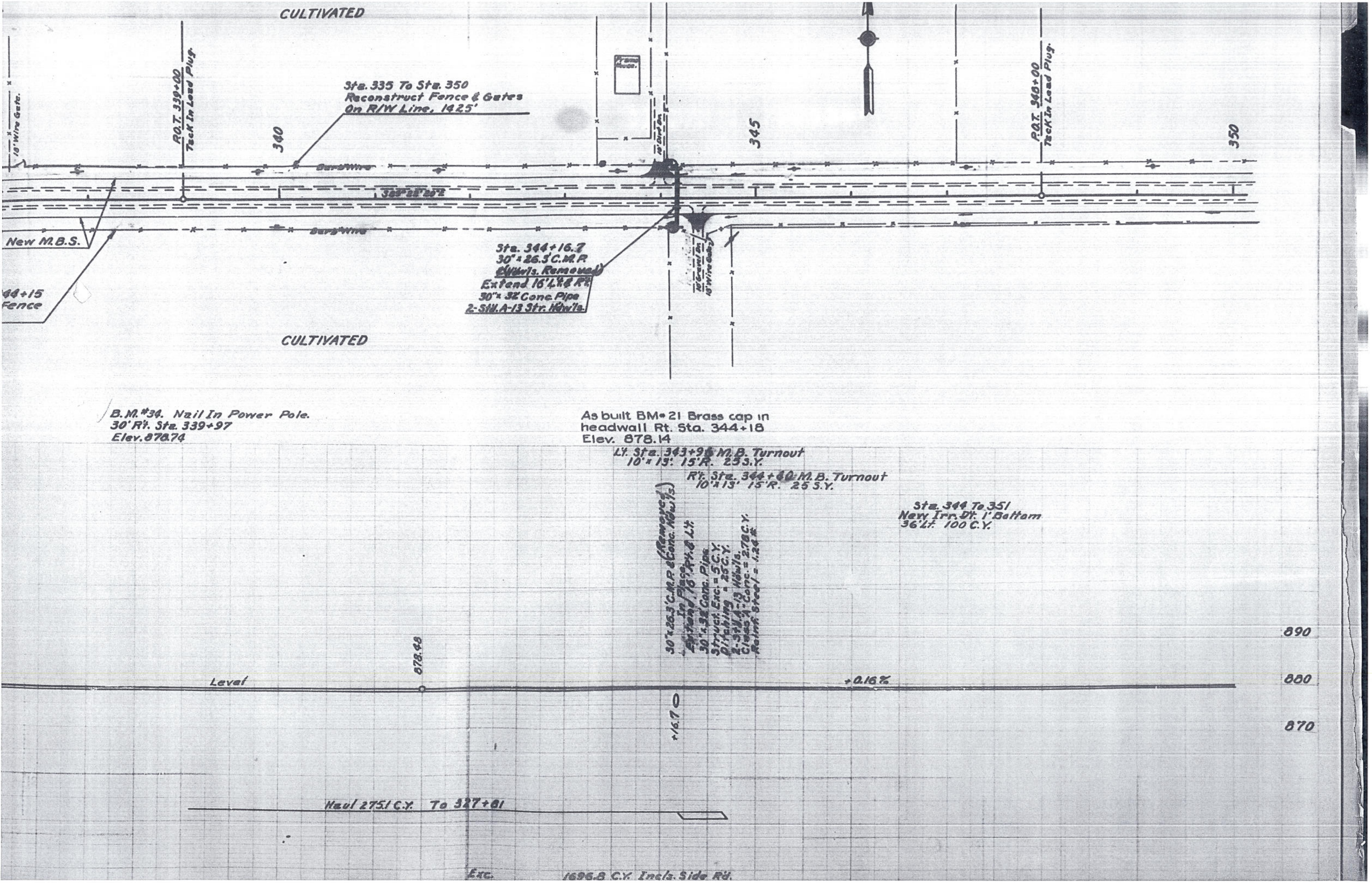
+0.16%

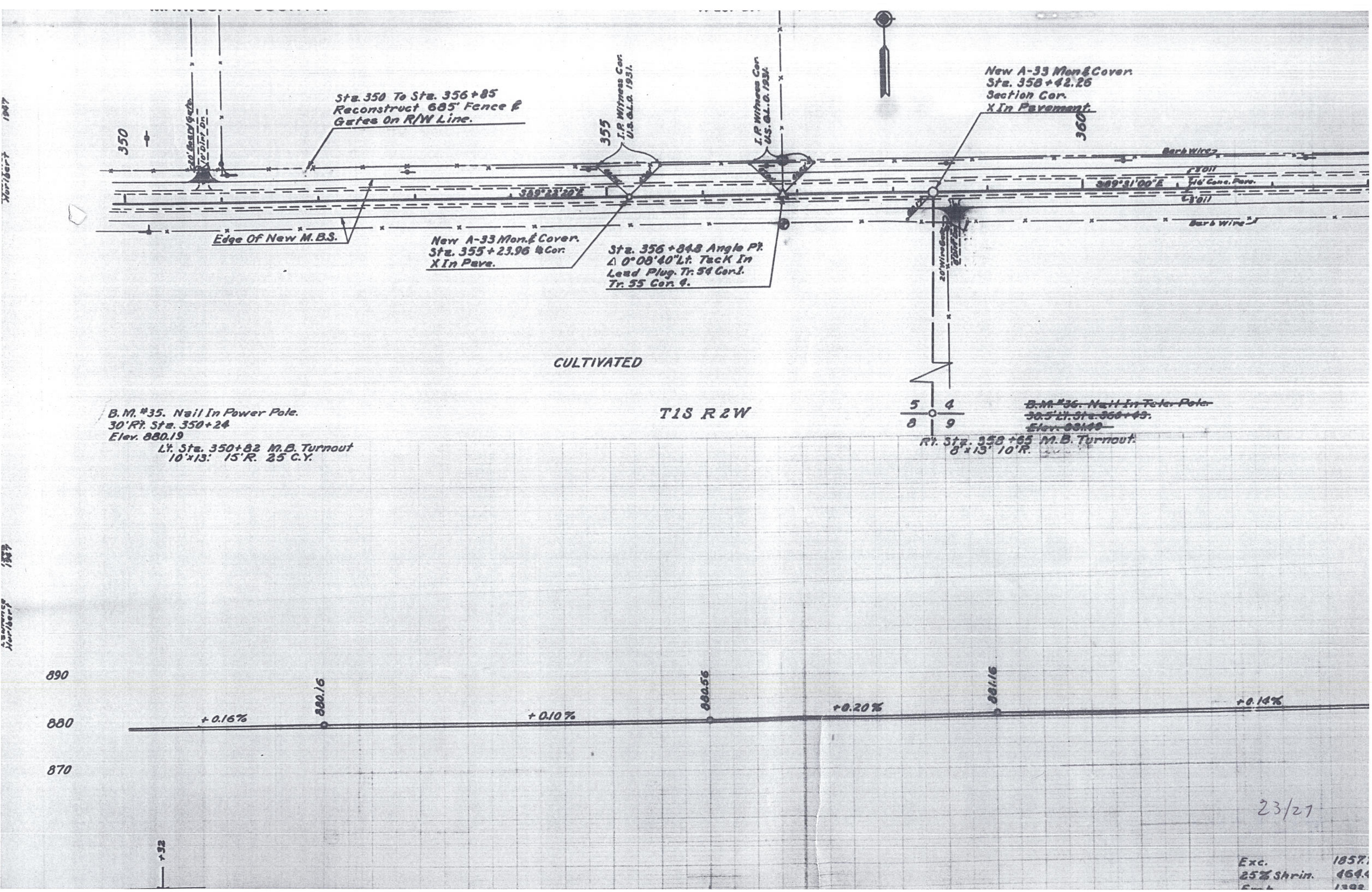
+16.7

Haul 2751 C.Y. To 327+61

22/27

Exc. 1695.8 C.Y. Incls. Side Rd.


CULTIVATED
18' Wire Gate.
P.O.T. 339+00
Tack In Lead Plug.
340
Sta. 335 To Sta. 350
Reconstruct Fence & Gates
On R/W Line, 1425'
Frame House.
10' Dirt Dr.
345
P.O.T. 348+00
Tack In Lead Plug.
350
Barb Wire
New M.B.S.
44+15
Fence
Sta. 344+16.7
30" x 26.3' C.M.P.
(Hdw'ls. Removed)
Extend 16' Lt. & Rt.
30" x 32' Conc. Pipe
2-Std. A-13 Str. Hdw'ls.
10' Gravel Dr.
18' Wire Gate
CULTIVATED
B.M. #34. Nail In Power Pole.
30' Rt. Sta. 339+97
Elev. 878.74
As built BM #21 Brass cap in
headwall Rt. Sta. 344+18
Elev. 878.14
Lt. Sta. 343+96 M.B. Turnout
10' x 13' 15' R. 25 S.Y.
Rt. Sta. 344+40 M.B. Turnout
10' x 13' 15' R. 25 S.Y.
Sta. 344 To 351
New Irr. Dt. 1' Bottom
36' Lt. 100 C.Y.
30" x 26.3' C.M.P. & Conc. Hdw'ls.
(Removed)
In Place
Extend 16' Rt. & Lt.
30" x 32' Conc. Pipe
Struct. Exc. = 5 C.Y.
Ditching = 25 C.Y.
2-Std. A-13 Hdw'ls.
Class "A" Conc. = 2.78 C.Y.
Reinf. Steel = 1.24#
878.48
Level
+0.16%
+16.7
890
880
870
Haul 275.1 C.Y. To 327+81
Exc.
1696.8 C.Y. Incls. Side Rd.



350
355
360
Sta. 350 To Sta. 356+85
Reconstruct 685' Fence & Gates On R/W Line.
I.P. Witness Cor. U.S.G.L.O. 1931.
I.P. Witness Cor. U.S.G.L.O. 1931.
New A-33 Mon & Cover. Sta. 358+42.26 Section Cor. X In Pavement.
Barb Wire
3' Oil
16' Conc. Pave.
3' Oil
Barb Wire
S89°22'20"E
S89°31'00"E
Edge Of New M.B.S.
New A-33 Mon. & Cover. Sta. 355+23.96 ¼ Cor. X In Pave.
Sta. 356+84.8 Angle Pt. Δ 0°08'40" Lt. Tack In Lead Plug. Tr. 54 Cor. 1. Tr. 55 Cor. 4.
CULTIVATED
T1S R2W
5 4
8 9
B.M. #35. Nail In Power Pole. 30' Rt. Sta. 350+24 Elev. 880.19
Lt. Sta. 350+82 M.B. Turnout 10'x13' 15'R. 25 C.Y.
~~B.M. #36. Nail In Tele. Pole. 30.5' Lt. Sta. 360+43. Elev. 881.49~~
Rt. Sta. 358+65 M.B. Turnout. 8'x13' 10'R.
890
880
870
+0.16%
880.16
+0.10%
880.56
+0.20%
881.16
+0.14%
+32
23/27
Exc. 1857.
25% Shrin. 464.

Sta. 350 To Sta. 356+85
Reconstruct 685' Fence &
Gates On R/W Line.
355
I.P. Witness Cor.
U.S.G.L.O. 1931.
I.P. Witness Cor.
U.S.G.L.O. 1931.
New A-33 Mon.& Cover.
Sta. 358+42.26
Section Cor.
X In Pavement.
360
R.O.T. 365+00
Tack In Lead Plug.
Barb Wire
8' Oil
S89°22'20"E
S89°31'00"E
16' Conc. Pave.
8' Oil
Barb Wire
M.B.S.
New A-33 Mon.& Cover.
Sta. 355+23.96 ¼ Cor.
X In Pave.
Sta. 356+84.8 Angle Pt.
Δ 0°08'40"Lt. Tack In
Lead Plug. Tr. 54 Cor. 1.
Tr. 55 Cor. 4.
20' Wire Gate
CULTIVATED
T1S R2W
5
4
8
9
B.M. #36. Nail In Tele. Pole.
30.5' Lt. Sta. 360+43.
Elev. 881.49
Rt. Sta. 358+65 M.B. Turnout.
8"x13' 10'R.
Turnout
880.16
+0.10%
880.56
+0.20%
881.16
+0.14%
881.86
+0.266%
890
880
870
Exc. 1857.7 C.Y.
25% Shrin. 464.4 "

MARICOPA COUNTY

P.O.T. 365+00 Tack In Lead Plug.

Sta. 372+00.2
30" x 26.3' C.M.P.
& Hdwls. In Place.
Removed Hdwls.
Covered.

370

P.O.T. 374+00 Tack In Lead Plug

Frame House

375

4.9' Offset

377+86.3 P.O.T.

Edge Of New M.B.S.

16' Wire Gate

Stock Pond.

10' Culvert

18' Wire Gate

11½' x 14' Wood Brg. On Conc. Abut's. Reset 45° Rt. of ℄.

End Proj. Non F.A. 46-B(1947)
Sta. 377+86.3

CULTIVATED

As built B.M.# 22 Brass cap set in conc. 30' Rt. Sta. 365+00 Elevation 881.92

B.M. #37. Nail In Tele. Pole 31.5' Lt. Sta. 370+07 Elev. 883.21

As built B.M.# 23 Brass cap set in conc. at base of sign about 25' Rt. Sta 377+86. Elev. 885.45

Lt. Sta. 374+09 M. B. Turnout
10' x 13' 15' R 25 C.Y.

~~Rt. Sta. 373+25 M. B. Turnout~~
~~10' x 13' 15' R 25 C.Y.~~

30" x 26.3' C.M.P. & Conc. Hdwls. In Place. Removed Hdwls.

387+75 P.C. Abt.

890
880
870

+0.266%

882.66

+0.15%

883.11

+0.22%

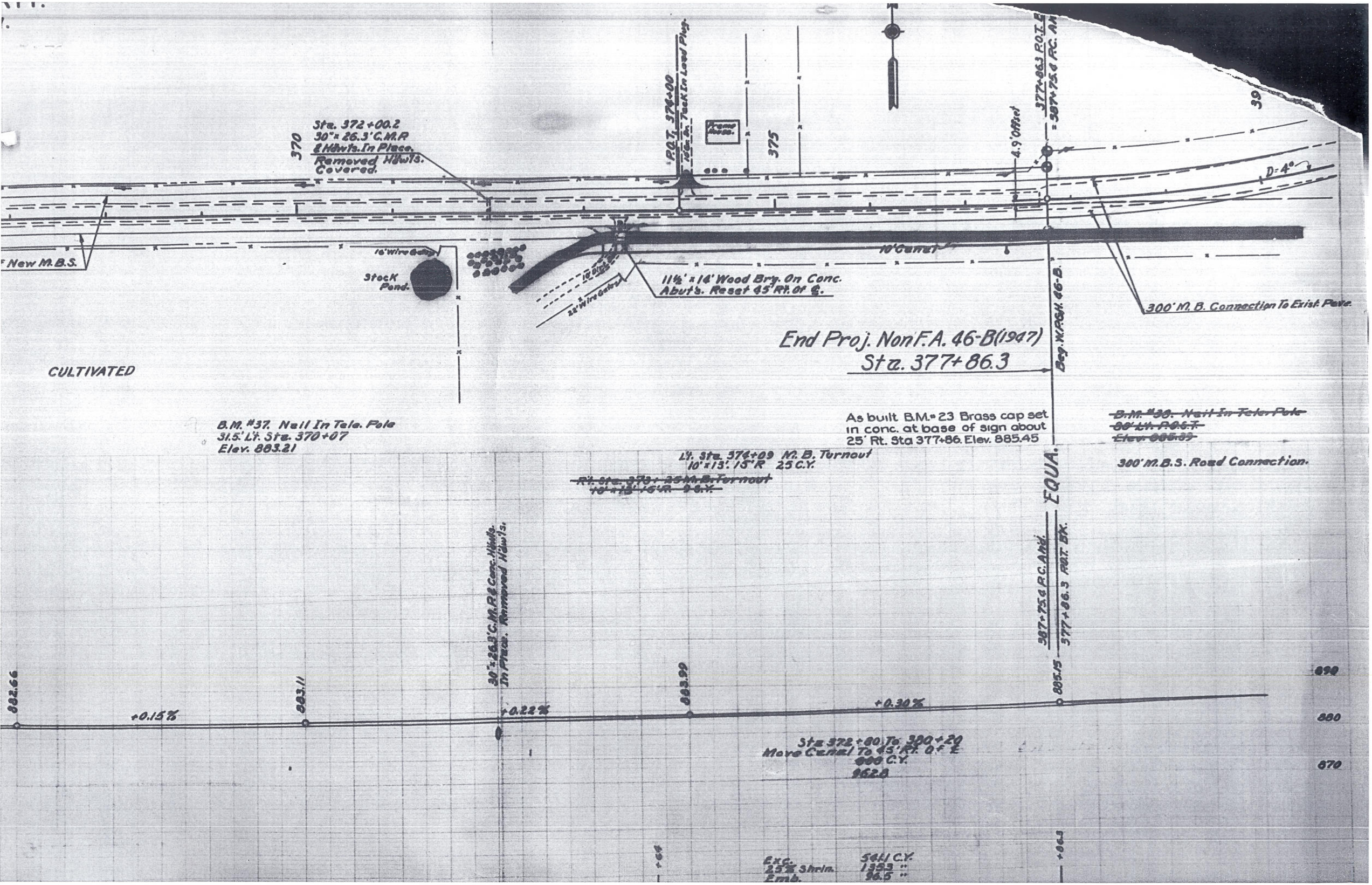
883.99

+0.30%

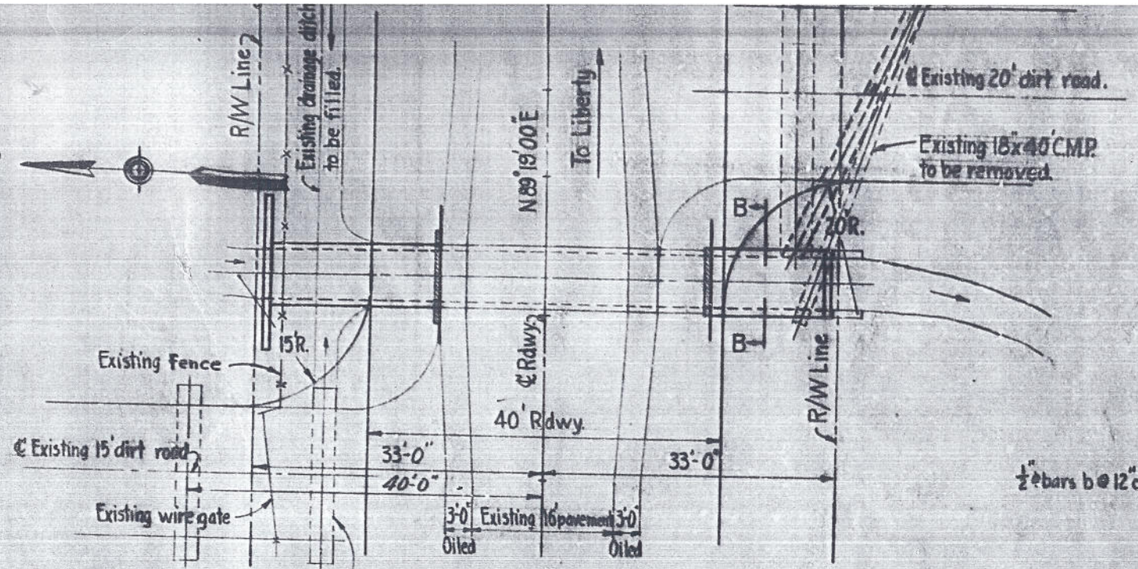
Sta 372+60 To 380+20
Move Canal To 45' Rt. of ℄
900 C.Y.
962.8

24/27

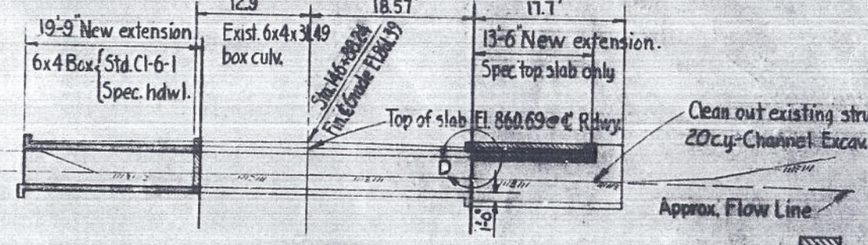
Exc.	5641 C.Y.
25% Shrin.	1393 "
Emb.	96.5 "
Haul Out	309.3 " Place In Bor. Pit Ahead.



Sta. 372+00.2
30"x 26.3' C.M.P.
& Hdwts. In Place.
Removed Hdwts.
Covered.
370
P.O.T. 374+00
Tack In Lead Plug.
375
4.9' Offset
377+86.3 P.O.T. E
= 387+75.4 P.C. Ah
39
D=4°
New M.B.S.
16' Wire Gate
Stock Pond.
10' Canal
11½' x 14' Wood Brg. On Conc.
Abut's. Reset 45' Rt. of ℄.
22' Wire Gate
300' M.B. Connection To Exist. Pave.
End Proj. Non F.A. 46-B(1947)
Sta. 377+86.3
Beg. W.P.G.H. 46-B.
CULTIVATED
B.M. #37. Nail In Tele. Pole
31.5' Lt. Sta. 370+07
Elev. 883.21
As built B.M.= 23 Brass cap set
in conc. at base of sign about
25' Rt. Sta 377+86. Elev. 885.45
~~B.M. #38. Nail In Tele. Pole~~
~~80' Lt. P.O.S.T.~~
~~Elev. 885.39~~
300' M.B.S. Road Connection.
Lt. Sta. 374+09 M.B. Turnout
10'x13'. 15'R 25 C.Y.
~~Rt. Sta. 373+25 M.B. Turnout~~
~~10'x13'. 15'R 9 C.Y.~~
EQUA.
30"x 26.3' C.M.P. & Conc. Hdwts.
In Place. Removed Hdwts.
387+75.4 P.C. Ahd.
377+86.3 P.O.T. Bk.
882.66
883.11
883.99
885.15
+0.15%
+0.22%
+0.30%
890
880
870
Sta 372+80 To 380+20
Move Canal To 45' Rt. of ℄
~~600~~ C.Y.
962.8
Exc. 541.1 C.Y.
25% Shrin. 135.3 "
Emb. 96.5 "

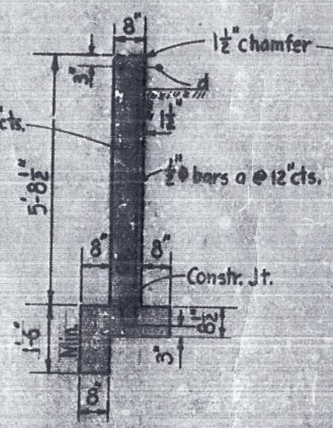


Sta. 146+
PLAN
Scale 1"=10'-0"

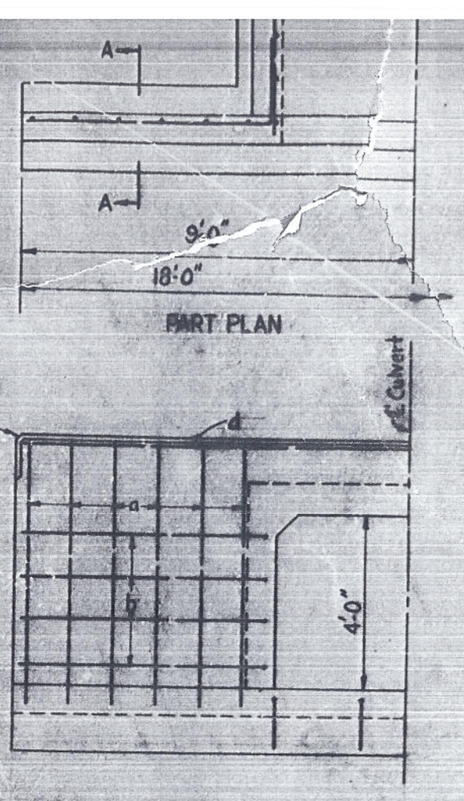


Note-
Remove existing hdwl. Use projecting reinf. steel for bond in new concrete.

SECTION ON ℄

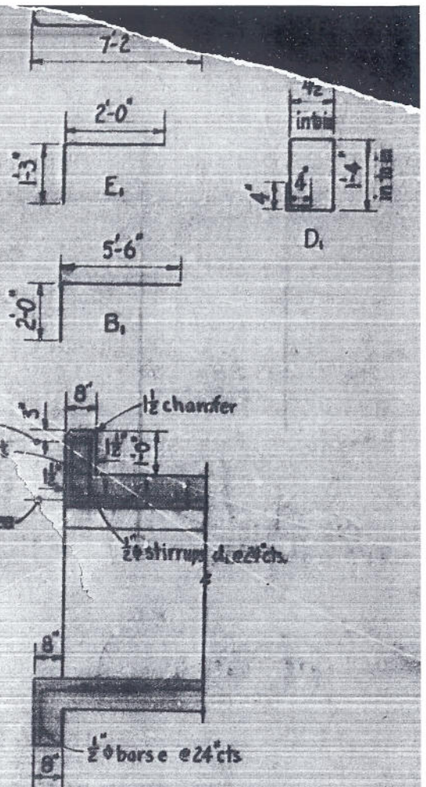


SECTION A-A

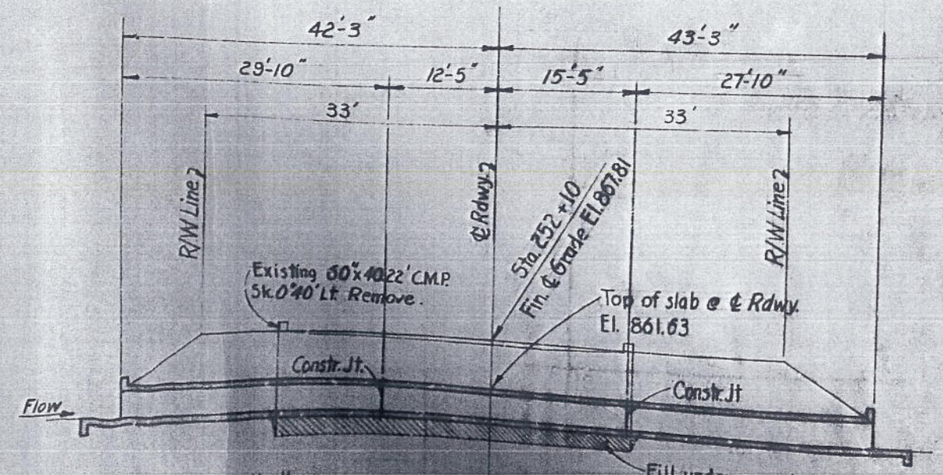


PART PLAN

PART END ELEVATION

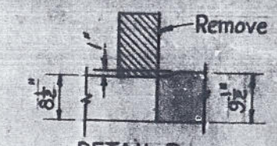


SECTION ON ℄

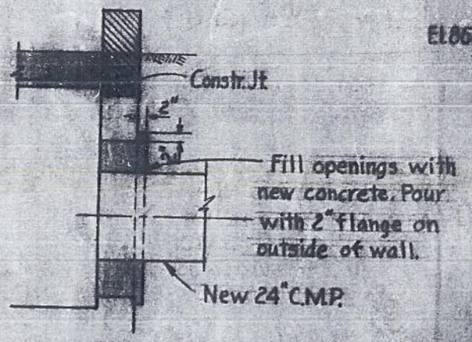


See Std. B-10-4/6 for all other details, dimensions, bend diagrams & steel list.

Fill under new structure to be made of broken concrete & select material thoroly compacted.

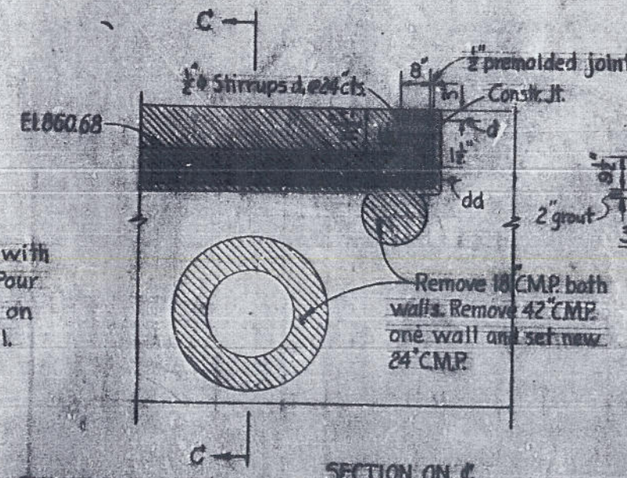


DETAIL D

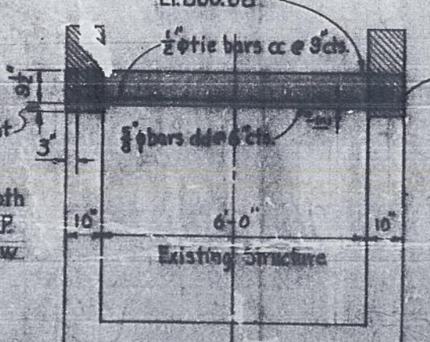


SECTION C-C

L.T. HEADWALL DETAILS
Scale ½"=1'-0"



SECTION ON ℄



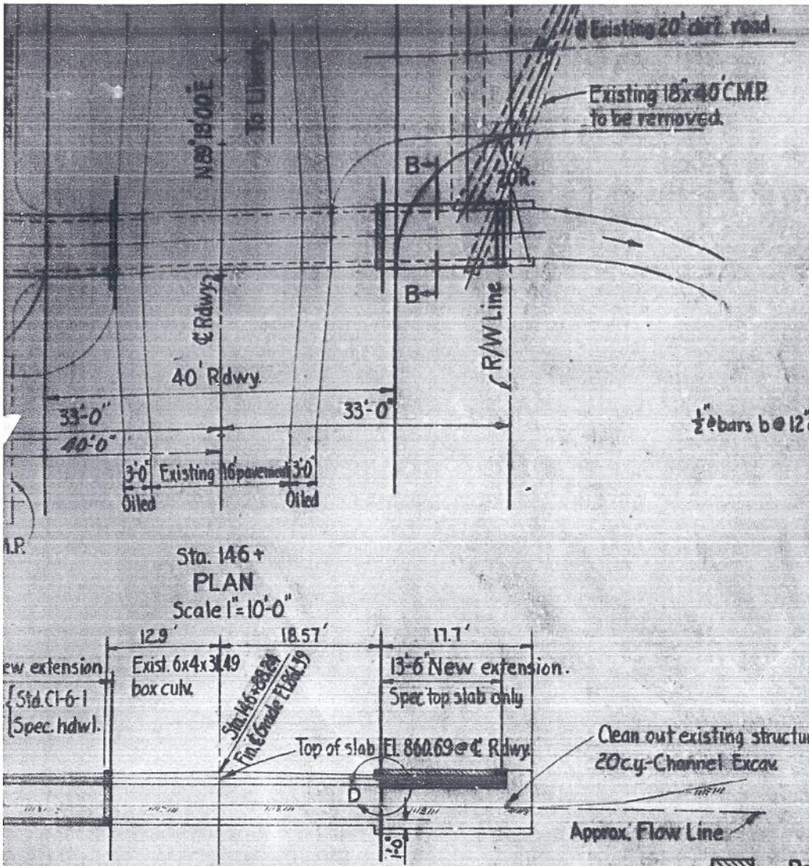
SECTION B-B

EXTENSION ON RT.
TOP SLAB & CURB DETAILS
Scale ½"=1'-0"

APPROXIMATE QUANTITIES

Structure	Standard No.	Sheet No.	Class A Conc. C.Y.	Class A Conc. C.Y.	Steel Reinf. Lbs.	Remove Old Conc. C.Y.
STA. 146+						
6'x4'x3'-6" Box In Place	C1-6-1	27	40	1839	1835	4
Ext. 19'-9" LT & 13'-6" RT.	C1-6-3 Spec.	28 25				

NOTE-
Standard Dept. Ed. See Sh. dimensions All con new concr water
Chamfer corners thus noted.
2 layers paper bo or approv Existing above new



Sta. 146+

PLAN

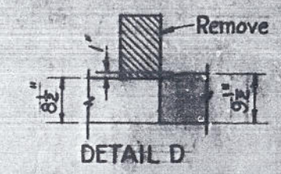
Scale 1"=10'-0"

SECTION ON ℄

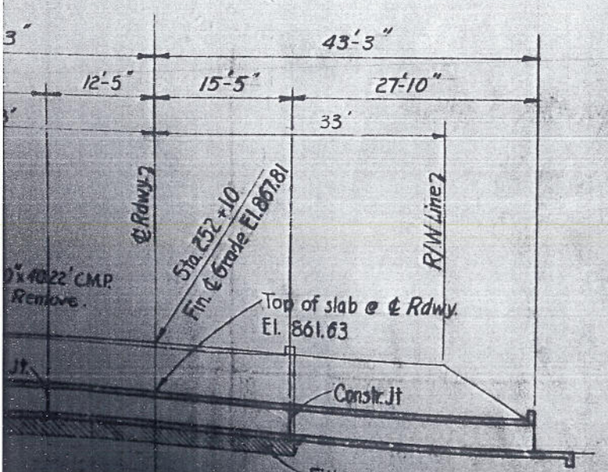
Use bond

Clean out existing structure
20 cy. Channel Excav.

Approx. Flow Line

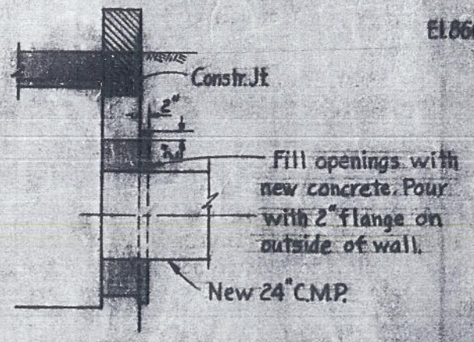


DETAIL D

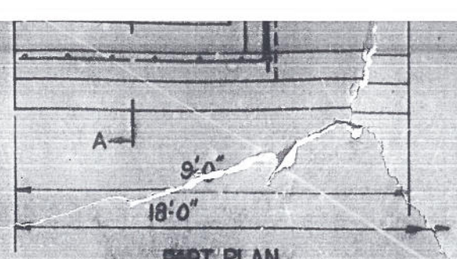


Sta. 252+

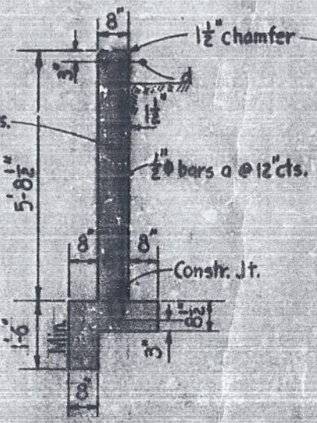
SECTION ON ℄



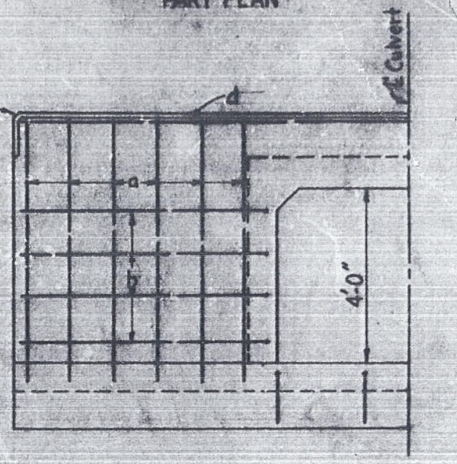
SECTION C-C



PART PLAN



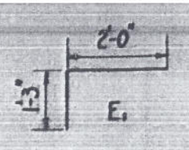
SECTION A-A

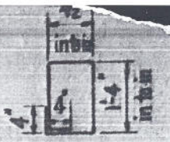


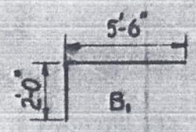
PART END ELEVATION

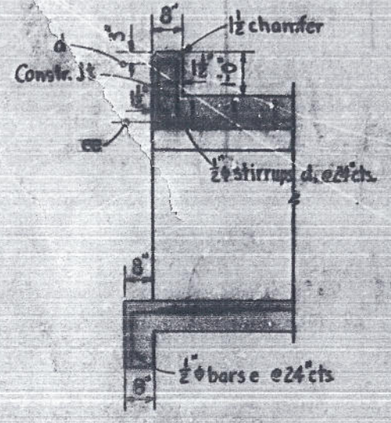
LT. HEADWALL DETAILS

Scale ½"=1'-0"









SECTION ON ℄

cc	24	½ ϕ	10
dd	21	⅝ ϕ	10
ee	66	⌐	7-0

Lt. Hdwl.

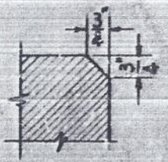
a	12	½ ϕ	6-9
b	8	⌐	7-6
d	2	⌐	17-6
d_1	4	⌐	4-0
e	4	⌐	3-3

Top Slab Ext 13'

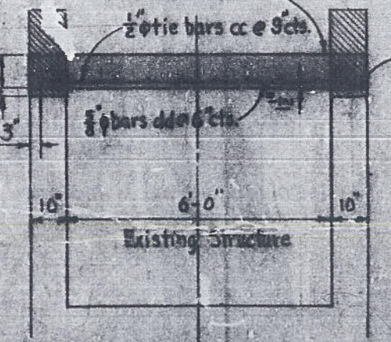
cc	10	½ ϕ	13-3
d_1	26	⅝ ϕ	8-6

Rt. Curb

d	2	½ ϕ	7-3
d_1	4	⌐	4-0



Chamfer all exposed corners thus ◺ unless otherwise noted.



SECTION B-B

2 layers white top asbestos roofing paper both walls. Johns-Manville or approved equal- bottom layer cemented on. Existing reinf. steel to be cut off 3" max. above new bridge seat.

NOTE-

Standard Specifications Arizona Highway Dept. Edition of 1939 and Supplements. See Std. CI-6-1 for all other details, dimensions and bend diagrams.

All contact surfaces between old and new concrete to be mopped with two coats waterproofing asphalt.

SECTION ON ℄

EXTENSION ON RT.

TOP SLAB & CURB DETAILS

Scale ½"=1'-0"

ALL CONCRETE CLASS A

APPROXIMATE QUANTITIES

Structure	Standard No.	Sheet No.	Exc. Roadway C.Y.	Class A Concrete C.Y.	Reinf. Steel Lbs.	Remove Old Conc. C.Y.
STA. 146+						
6'x4'x 31-6 Box In Place Ext. 13-9 Lt & 13-6 Rt.	CI-6-1 ADS-5 SPEC.	27 28 25	40	18.39	1835	4
STA. 252+						
New 5'x5'x85-6" Box	Hdwl.	26				

ARIZONA HIGHWAY DEPARTMENT
BRIDGE DIVISION
STA. 146+ & 252+
LOCATION AND MISCELLANEOUS